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OM nucleic - nucleic search, using sw model

Run on: March 22, 2004, 05:06:41 ; Search time 10.5017 Seconds
(without alignments)
7749.384 Million cell updates/sec

Title: US-09-308-080-4

Perfect score: 22

Sequence: 1 CAGCAAGCAACTGGCAGATTC 22

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 2438257 seqs, 1849576744 residues

Total number of hits satisfying chosen parameters: 4876514

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA.*

- 1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq.*
- 2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq.*
- 3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq.*
- 4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq.*
- 5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq.*
- 6: /cgn2_6/ptodata/2/pubpna/PCT03_PUBCOMB.seq.*
- 7: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq.*
- 8: /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq.*
- 9: /cgn2_6/ptodata/2/pubpna/US09A_PUBCOMB.seq.*
- 10: /cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq.*
- 11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq.*
- 12: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq.*
- 13: /cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq.*
- 14: /cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq.*
- 15: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq.*
- 16: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq.*
- 17: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
- 18: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	22	100.0	239	12	US-10-085-783A-28135 Sequence 28135, A
C 2	22	100.0	239	15	US-10-242-535A-28135 Sequence 28135, A
C 3	18.8	85.5	1525	15	US-10-369-493-36086 Sequence 36086, A
C 4	18.4	83.6	1030	15	US-10-027-632-121185 Sequence 121185, A
C 5	17.4	79.1	321	11	US-09-864-408A-3193 Sequence 3193, Ap
C 6	17.4	79.1	1140	12	US-10-425-114-36277 Sequence 36277, A
C 7	17.4	79.1	18529	14	US-10-198-846-12599 Sequence 12599, A
C 8	17.4	79.1	319630	15	US-10-398-221-7 Sequence 7, Appli
C 9	17.4	79.1	715517	15	US-10-027-632-53712 Sequence 53712, A
C 10	17.4	79.1	3011208	15	US-10-398-221-2058 Sequence 2058, Ap
C 11	17.2	78.2	497	15	US-10-027-632-273805 Sequence 273805, A
C 12	17.2	78.2	720	15	US-10-369-493-27965 Sequence 27965, A
C 13	17.2	78.2	735	15	US-10-369-493-30720 Sequence 30720, A
C 14	17.2	78.2	944	15	US-10-027-632-159083 Sequence 159083, A
C 15	17.2	78.2	1062	12	US-10-282-122A-41874 Sequence 41874, A

16	17.2	78.2	1739	12	US-10-425-114-2659 Sequence 2659, Ap
17	17.2	78.2	2762	15	US-10-297-022-49 Sequence 49, Appl
18	17.2	78.2	1691139	14	US-10-067-514-1 Sequence 1, Appli
19	17.2	78.2	1691139	15	US-10-419-723-1 Sequence 1, Appli
C 20	17	77.3	572	15	US-10-027-632-222275 Sequence 222275, A
C 21	17	77.3	572	15	US-10-027-632-222276 Sequence 222276, A
C 22	17	77.3	572	15	US-10-027-632-222277 Sequence 222277, A
C 23	17	77.3	572	15	US-10-027-632-222278 Sequence 222278, A
C 24	16.8	76.4	444	14	US-10-060-036-1297 Sequence 1297, Ap
C 25	16.8	76.4	666	15	US-10-027-632-272522 Sequence 272522, A
C 26	16.8	76.4	666	15	US-10-027-632-272523 Sequence 272523, A
C 27	16.8	76.4	769	15	US-10-027-632-154892 Sequence 154892, A
C 28	16.8	76.4	836	15	US-10-027-632-147264 Sequence 147264, A
C 29	16.8	76.4	945	12	US-10-282-122A-12236 Sequence 12236, A
C 30	16.8	76.4	1161	9	US-09-354-531-575 Sequence 575, App
C 31	16.8	76.4	368004	9	US-09-349-654-3 Sequence 3, Appli
C 32	16.4	74.5	271	10	US-09-814-353-3749 Sequence 3749, Ap
C 33	16.4	74.5	271	10	US-09-814-353-10060 Sequence 10060, A
C 34	16.4	74.5	723	12	US-10-424-599-25307 Sequence 25307, A
C 35	16.4	74.5	1646	15	US-10-027-632-257028 Sequence 257028, A
C 36	16.4	74.5	1646	15	US-10-027-632-257029 Sequence 257029, A
C 37	16.4	74.5	1646	15	US-10-027-632-257030 Sequence 257030, A
C 38	16.4	74.5	1646	15	US-10-027-632-257031 Sequence 257031, A
C 39	16.4	74.5	1924	10	US-09-971-392-217 Sequence 217, App
C 40	16.4	74.5	6773	9	US-09-864-864-336 Sequence 336, App
C 41	16.2	73.6	265	12	US-10-424-599-140130 Sequence 140130, A
C 42	16.2	73.6	275	12	US-10-424-599-20515 Sequence 20515, A
C 43	16.2	73.6	360	12	US-10-424-599-46111 Sequence 46111, A
C 44	16.2	73.6	383	12	US-10-424-599-29545 Sequence 29545, A
C 45	16.2	73.6	389	12	US-10-424-599-105515 Sequence 105515, A

ALIGNMENTS

RESULT 1

US-10-085-783A-28135/c
; Sequence 28135, Application US/10085783A
; Publication No. US20040037841A1
; GENERAL INFORMATION:
; APPLICANT: ChondroGene Inc.
; APPLICANT: Liaw, C.C.
; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
; FILE REFERENCE: 4231/2002
; CURRENT APPLICATION NUMBER: US/10/085,783A
; PRIOR FILING DATE: 2002-02-28
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/305,340
; PRIOR FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: US 60/275,017
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: US 60/271,955
; NUMBER OF SEQ ID NOS: 58994
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 28135
; LENGTH: 239
; TYPE: DNA
; ORGANISM: Human

Query Match	Length	DB ID	Description
100.0%	239	12	US-10-085-783A-28135 Sequence 28135, A
100.0%	239	15	US-10-242-535A-28135 Sequence 28135, A
85.5	1525	15	US-10-369-493-36086 Sequence 36086, A
83.6	1030	15	US-10-027-632-121185 Sequence 121185, A
79.1	321	11	US-09-864-408A-3193 Sequence 3193, Ap
79.1	1140	12	US-10-425-114-36277 Sequence 36277, A
79.1	18529	14	US-10-198-846-12599 Sequence 12599, A
79.1	319630	15	US-10-398-221-7 Sequence 7, Appli
79.1	715517	15	US-10-027-632-53712 Sequence 53712, A
79.1	3011208	15	US-10-398-221-2058 Sequence 2058, Ap
78.2	497	15	US-10-027-632-273805 Sequence 273805, A
78.2	720	15	US-10-369-493-27965 Sequence 27965, A
78.2	735	15	US-10-369-493-30720 Sequence 30720, A
78.2	944	15	US-10-027-632-159083 Sequence 159083, A
78.2	1062	12	US-10-282-122A-41874 Sequence 41874, A

Query Match 100.0%; Score 22; DB 12; Length 239;
Best Local Similarity 100.0%; Pred. No. 0.69;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 2

US-10-242-535A-28135/c
; Sequence 28135, Application US/10242535A
; Publication No. US20040013663A1

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; GENERAL INFORMATION:
; APPLICANT: ChondroGene Inc.
; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
; FILE REFERENCE: 4231/2005
; CURRENT APPLICATION NUMBER: US/10/242,535A
; PRIOR FILING DATE: 2002-09-12
; PRIOR APPLICATION NUMBER: US 10/085,783
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: US 60/305,340
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/275,017
; PRIOR FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: US 60/271,955
; PRIOR FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 58994
; SOFTWARE: Patent version 3.2
; SEQ ID NO 28135
; LENGTH: 239
; TYPE: DNA
; ORGANISM: Human
US-10-242-535A-28135

Query Match      100.0%; Score 22; DB 15; Length 239;
Best Local Similarity 100.0%; Pred. No. 0.69;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CAGCAAAGCACTGGCAGATTC 22
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Db      232 CAGCAAAGCACTGGCAGATTC 211

RESULT 3
US-10-369-493-36086
; Sequence 36086, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 36086
; LENGTH: 1525
; TYPE: DNA
; ORGANISM: Aspergillus nidulans
US-10-369-493-36086

Query Match      85.5%; Score 18.8; DB 15; Length 1525;
Best Local Similarity 90.9%; Pred. No. 32;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 CAGCAAAGCACTGGCAGATTC 22
      |||||
Db      1004 CAGCAAAGCACTGGCAGATTC 1025

RESULT 4
US-10-027-632-121185
; Sequence 121185, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
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; FILE REFERENCE: 108827,129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 121185
; LENGTH: 1030
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-121185

Query Match      83.6%; Score 18.4; DB 15; Length 1030;
Best Local Similarity 95.0%; Pred. No. 48;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 CAGCAAAGCACTGGCAGAT 20
      |||||
Db      542 CAGCAAAGCACTGGCAGAT 561

RESULT 5
US-09-864-408A-3193
; Sequence 3193, Application US/09864408A
; Publication No. US20040009474A1
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Shimkets, Richard A.
; TITLE OF INVENTION: No. US20040009474A1 Human Polynucleotides and Polypeptides Enco
; FILE REFERENCE: 21402-012
; CURRENT APPLICATION NUMBER: US/09/864,408A
; CURRENT FILING DATE: 2001-05-24
; PRIOR APPLICATION NUMBER: 60/206,690
; PRIOR FILING DATE: 2000-05-24
; NUMBER OF SEQ ID NOS: 9068
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3193
; LENGTH: 321
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(1)
; OTHER INFORMATION: Wherein n may be a, c, g or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (8)..(8)
; OTHER INFORMATION: Wherein n may be a, c, g or t
US-09-864-408A-3193

Query Match      79.1%; Score 17.4; DB 11; Length 321;
Best Local Similarity 94.7%; Pred. No. 1.2e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 CAGCAAAGCACTGGCAGA 19
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Db      100 CAGCAAAGCACTGGCAGA 118

RESULT 6
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US-10-425-114-36277/c
; Sequence 36277, Application US/10425114
; Publication No. US2004003488A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 36277
; LENGTH: 1140
; TYPE: DNA
; ORGANISM: Zea mays subsp. mexicana
; FEATURE:
; OTHER INFORMATION: Clone ID: UC-ZMROTEOSINTE072802_FLI
US-10-425-114-36277
Query Match 79.1%; Score 17.4; DB 12; Length 1140;
Best Local Similarity 94.7%; Pred. No. 1.5e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 CAGCAAGCAACTGGCAGA 19
Db 528 CAGCAAGCAATTGGCAGA 510

RESULT 7
US-10-198-846-12599/c
; Sequence 12599, Application US/10198846
; Publication No. US2003009974A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Xu, Yongyao
; APPLICANT: Wang, Youzhen
; APPLICANT: Steinmann, Kathleen
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
; TITLE OF INVENTION: FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF BREAST CANCER
; FILE REFERENCE: MRI-049
; CURRENT APPLICATION NUMBER: US/10/198,846
; CURRENT FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: 60/306,220
; PRIOR FILING DATE: 2001-07-18
; NUMBER OF SEQ ID NOS: 14084
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12599
; LENGTH: 18529
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-198-846-12599
Query Match 79.1%; Score 17.4; DB 14; Length 18529;
Best Local Similarity 94.7%; Pred. No. 2.2e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 CAGCAAGCAACTGGCAGA 19
Db 12657 CAGCAAGCAATTGGCAGA 12639

RESULT 8
US-10-398-221-7/c
; Sequence 7, Application US/10398221
; Publication No. US20040018514A1
; GENERAL INFORMATION:
; APPLICANT: KUNST, Frederik
```

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; APPLICANT: GLASER, Philippe
; TITLE OF INVENTION: Listeria innocua, genome and applications
; FILE REFERENCE: 344 702 - US
; CURRENT APPLICATION NUMBER: US/10/398,221
; CURRENT FILING DATE: 2003-03-27
; PRIOR APPLICATION NUMBER: PCT/FR 01/03 061
; PRIOR FILING DATE: 2001-10-04
; PRIOR APPLICATION NUMBER: FR 00/12 697
; PRIOR FILING DATE: 2000-10-04
; NUMBER OF SEQ ID NOS: 4025
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7
; LENGTH: 319630
; TYPE: DNA
; ORGANISM: Listeria innocua
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(end)
; OTHER INFORMATION: n can be any nucleotide: a, g, c or t/u
US-10-398-221-7
Query Match 79.1%; Score 17.4; DB 15; Length 319630;
Best Local Similarity 94.7%; Pred. No. 3.3e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 CAGCAAGCAACTGGCAGA 19
Db 122457 CAGCAAGCAATTGGCAGA 122439

RESULT 9
US-10-027-632-53712/c
; Sequence 53712, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 53712
; LENGTH: 715517
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(715517)
; OTHER INFORMATION: n = A,T,C or G
US-10-027-632-53712
Query Match 79.1%; Score 17.4; DB 15; Length 715517;
Best Local Similarity 94.7%; Pred. No. 3.6e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 2 AGCAAGCAACTGGCAGAT 20
Db 122457 CAGCAAGCAATTGGCAGA 122439
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Db 470140 AGCAAGCAACTGGCATAT 470122
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447 CATAAAGCAACTGGCAGATTC 468

RESULT 10
US-10-398-221-2058
; Sequence 2058, Application US/10398221
; Publication No. US20040018514A1
; GENERAL INFORMATION:
; APPLICANT: KUNST, Frederik
; APPLICANT: GLASER, Philippe
; TITLE OF INVENTION: Listeria innocua, genome and applications
; FILE REFERENCE: 344 702 - US
; CURRENT APPLICATION NUMBER: US/10/398,221
; CURRENT FILING DATE: 2003-03-27
; PRIOR APPLICATION NUMBER: PCI/FR 01/03 061
; PRIOR FILING DATE: 2001-10-04
; PRIOR APPLICATION NUMBER: FR 00/12 697
; PRIOR FILING DATE: 2000-10-04
; NUMBER OF SEQ ID NOS: 4025
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2058
; LENGTH: 3011208
; TYPE: DNA
; ORGANISM: Listeria innocua
US-10-398-221-2058

Query Match 79.1%; Score 17.4; DB 15; Length 3011208;
Best Local Similarity 94.7%; Pred. No. 3.8e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CAGCAAGCAACTGGCAGA 19
|||||

Db 1994973 CAGCAAGCAACTGGCAGA 1994991
|||||

RESULT 11
US-10-027-632-273805
; Sequence 273805, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108927.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2003-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: Fast-SEQ for Windows Version 4.0
; SEQ ID NO 273805
; LENGTH: 497
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-273805

Query Match 78.2%; Score 17.2; DB 15; Length 497;
Best Local Similarity 86.4%; Pred. No. 1.6e+02;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CAGCAAGCAACTGGCAGATTC 22

Db 354 CAGCAATGCACCTGTCAGATTC 333
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RESULT 12
US-10-369-493-27965/c
; Sequence 27965, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 27965
; LENGTH: 720
; TYPE: DNA
; ORGANISM: Burkholderia fungorum
US-10-369-493-27965

Query Match 78.2%; Score 17.2; DB 15; Length 720;
Best Local Similarity 86.4%; Pred. No. 1.7e+02;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CAGCAAGCAACTGGCAGATTC 22
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Db 348 CAGCAATGCACCTGTCAGATTC 327
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RESULT 13
US-10-369-493-30720/c
; Sequence 30720, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 30720
; LENGTH: 735
; TYPE: DNA
; ORGANISM: Burkholderia cepacia
US-10-369-493-30720

Query Match 78.2%; Score 17.2; DB 15; Length 735;
Best Local Similarity 86.4%; Pred. No. 1.7e+02;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CAGCAAGCAACTGGCAGATTC 22
|||||

Db 354 CAGCAATGCACCTGTCAGATTC 333
|||||

RESULT 14
US-10-027-632-159083
; Sequence 159083, Application US/10027632

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; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: Polymorphisms in the Human Genome
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 159083
; LENGTH: 944
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-159083

Query Match          78.2%; Score 17.2; DB 15; Length 944;
Best Local Similarity 86.4%; Pred. No. 1.8e+02;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1 CAGCAAGCAACTGGCAGATTC 22
Db      824 CAGCAAGCACATGGCAGATC 845

RESULT 15
US-10-282-122A-41874
; Sequence 41874, Application US/10282122A
; Publication No. US20040023129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
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; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 41874
; LENGTH: 1082
; TYPE: DNA
; ORGANISM: Yersinia pestis
US-10-282-122A-41874

Query Match          78.2%; Score 17.2; DB 12; Length 1082;
Best Local Similarity 86.4%; Pred. No. 1.8e+02;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1 CAGCAAGCAACTGGCAGATTC 22
Db      749 CAGCCGAGCAATTGGCAGATTC 770

Search completed: March 22, 2004, 07:37:06
Job time : 17.5017 secs
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GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: March 22, 2004, 04:12:41 ; Search time 2.96575 Seconds
(without alignments)
4116.644 Million cell updates/sec

Title: US-09-308-080-4

Perfect score: 22

Sequence: 1 CAGCAAGCAACTGGCAGATTC 22

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database :

Issued Patents NA: *

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2: /cgn2_6/prodata/2/ina/5B_COMB.seq: *
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4: /cgn2_6/prodata/2/ina/6B_COMB.seq: *
5: /cgn2_6/prodata/2/ina/PCTUS_COMB.seq: *
6: /cgn2_6/prodata/2/ina/backfiles1.seq: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	16.8	76.4	1173	3	US-09-285-601-1
C 2	16.8	76.4	6709	3	US-09-285-601-3
C 3	16.4	74.5	1080	4	US-09-489-039A-7122
C 4	16.4	74.5	6773	4	US-09-166-350-27
C 5	16.2	73.6	951	4	US-09-328-352-2679
C 6	16.2	73.6	1830121	4	US-09-557-884-1
C 7	16.2	73.6	1830121	4	US-09-643-980A-1
C 8	15.8	71.8	438	4	US-09-621-976-10965
C 9	15.8	71.8	452	4	US-09-280-116-64
C 10	15.8	71.8	638	3	US-08-906-156A-18
C 11	15.8	71.8	638	3	US-08-906-156A-66
C 12	15.8	71.8	1060	3	US-09-475-316A-47
C 13	15.8	71.8	1060	3	US-09-704-640-47
C 14	15.8	71.8	1087	3	US-09-475-316A-53
C 15	15.8	71.8	1097	4	US-09-704-640-53
C 16	15.8	71.8	1107	3	US-09-475-316A-57
C 17	15.8	71.8	1107	4	US-09-704-640-57
C 18	15.8	71.8	1109	3	US-09-475-316A-55
C 19	15.8	71.8	1109	4	US-09-704-640-55
C 20	15.8	71.8	1112	3	US-09-475-316A-49
C 21	15.8	71.8	1112	4	US-09-704-640-49
C 22	15.8	71.8	1124	3	US-09-475-316A-51
C 23	15.8	71.8	1124	4	US-09-704-640-51
C 24	15.8	71.8	2784	1	US-08-104-073-3
C 25	15.8	71.8	2784	1	US-08-351-413-10
C 26	15.8	71.8	2784	2	US-09-025-583-10
C 27	15.8	71.8	6585	3	US-08-746-111-4

ALIGNMENTS

RESULT 1

US-09-285-601-1/c
; Sequence 1, Application US/09285601
; Patent No. 6248528

; GENERAL INFORMATION:

; APPLICANT: Chen, Hong

; APPLICANT: Freimer, Nelson

; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE DIAGNOSIS AND

; FILE REFERENCE: 7853-089

; CURRENT APPLICATION NUMBER: US/09/285,601

; CURRENT FILING DATE: 1999-04-02

; EARLIER APPLICATION NUMBER: 60/080,841

; EARLIER FILING DATE: 1998-04-06

; NUMBER OF SEQ ID NOS: 3

; SOFTWARE: Patent In Ver. 2.0

; SEQ ID NO 1

; LENGTH: 1173

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (49)..(564)

US-09-285-601-1

Description

Sequence 1, Appli
Sequence 3, Appli
Sequence 7122, Ap
Sequence 27, Appl
Sequence 2679, Ap
Sequence 1, Appli
Sequence 10965, A
Sequence 64, Appl
Sequence 18, Appl
Sequence 66, Appl
Sequence 47, Appl
Sequence 47, Appl
Sequence 53, Appl
Sequence 53, Appl
Sequence 57, Appl
Sequence 57, Appl
Sequence 55, Appl
Sequence 55, Appl
Sequence 49, Appl
Sequence 49, Appl
Sequence 51, Appl
Sequence 51, Appl
Sequence 3, Appli
Sequence 10, Appl
Sequence 10, Appl
Sequence 4, Appli

Query Match 76.4%; Score 16.8; DB 3; Length 1173;

Best Local Similarity 90.0%; Pred. No. 38;

Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 GCAAGCAACTGGCAGATTC 22

DB 1004 GCAATCTACTGGCAGATTC 985

RESULT 2

US-09-285-601-3/c

; Sequence 3, Application US/09285601

; Patent No. 6248528

; GENERAL INFORMATION:

; APPLICANT: Chen, Hong

; APPLICANT: Freimer, Nelson

; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE DIAGNOSIS AND

; FILE REFERENCE: 7853-089

; CURRENT APPLICATION NUMBER: US/09/285,601

; CURRENT FILING DATE: 1999-04-02

; EARLIER APPLICATION NUMBER: 60/080,841

; EARLIER FILING DATE: 1998-04-06

; NUMBER OF SEQ ID NOS: 3

; SOFTWARE: Patent In Ver. 2.0

Sequence 3298, Ap
Sequence 341, App
Sequence 4080, Ap
Sequence 1442, Ap
Sequence 204, App
Sequence 1447, App
Sequence 109, App
Sequence 3, Appli
Sequence 5, Appli
Sequence 1, Appli
Sequence 1, Appli
Sequence 1, Appli
Sequence 1, Appli
Sequence 7, Appli
Sequence 11, Appli
Sequence 6, Appli
Sequence 2, Appli

28 15.6 70.9 164 4 US-08-956-171E-3298
29 15.6 70.9 275 4 US-09-016-434-341
30 15.6 70.9 400 4 US-08-956-171E-4080
31 15.6 70.9 609 4 US-09-489-039A-1442
32 15.6 70.9 755 4 US-09-325-932A-204
33 15.6 70.9 786 4 US-09-489-039A-1447
34 15.6 70.9 1229 4 US-08-936-165A-109
35 15.6 70.9 1297 4 US-09-446-821A-3
36 15.6 70.9 1982 1 US-08-261-086-5
37 15.6 70.9 2095 1 US-08-261-086-1
38 15.6 70.9 2224 1 US-08-261-086-3
39 15.6 70.9 2244 2 US-08-203-532F-1
40 15.6 70.9 2244 3 US-09-078-465-1
41 15.6 70.9 2244 5 PCT-US95-01882A-1
42 15.6 70.9 2308 1 US-08-261-086-7
43 15.6 70.9 2837 2 US-08-993-228-11
44 15.6 70.9 3008 4 US-09-435-376-6
45 15.6 70.9 3349 4 US-09-336-447A-2

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; SEQ ID NO 3
; LENGTH: 6709
; TYPE: DNA
; ORGANISM: Homo sapiens
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US-09-285-601-3

Query Match          76.4%; Score 16.8; DB 3; Length 6709;
Best Local Similarity 90.0%; Pred. No. 56;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 GCAAGCAACTGGCAGATTC 22
DB 3901 GCAAACTACTGGCAGATTC 3882

RESULT 3
US-09-489-039A-7122
; Sequence 7122, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 7122
; LENGTH: 1080
; TYPE: DNA
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-7122

Query Match          74.5%; Score 16.4; DB 4; Length 1080;
Best Local Similarity 94.4%; Pred. No. 59;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 CAAAGCAACTGGCAGATT 21
DB 310 CACAGCAACTGGCAGATT 327

RESULT 4
US-09-166-350-27
; Sequence 27, Application US/09166350A
; Patent No. 6440663
; GENERAL INFORMATION:
; APPLICANT: Scanlan, Matthew
; APPLICANT: Chen, Yao
; APPLICANT: Stockert, Elisabeth
; APPLICANT: Old, Lloyd
; APPLICANT: Jager, Elke
; APPLICANT: Knuth, Alex
; TITLE OF INVENTION: Renal Cancer Associated Antigens and
; FILE REFERENCE: L0461/7051
; CURRENT APPLICATION NUMBER: US/09/166,350A
; CURRENT FILING DATE: 1998-10-05
; EARLIER APPLICATION NUMBER: US 09/166,350
; EARLIER FILING DATE: 1998-10-05
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 27
; LENGTH: 6773
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-166-350-27

Query Match          74.5%; Score 16.4; DB 4; Length 6773;
Best Local Similarity 94.4%; Pred. No. 89;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 5 AAAGCAACTGGCAGATTC 22
DB 3637 AAAGCAACTGGCAGATTC 3654

RESULT 5
US-09-328-352-2679
; Sequence 2679, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; FILE REFERENCE: GTC99-03EA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 2679
; LENGTH: 951
; TYPE: DNA
; ORGANISM: Acinetobacter baumannii
US-09-328-352-2679

Query Match          73.6%; Score 16.2; DB 4; Length 951;
Best Local Similarity 85.7%; Pred. No. 72;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 AGCAAGCAACTGGCAGATTC 22
DB 615 AGCAAGCAACTGGCAGATTC 635

RESULT 6
US-09-557-884-1/c
; Sequence 1, Application US/09557884
; Patent No. 6506591
; GENERAL INFORMATION:
; APPLICANT: Fleischmann et al.
; TITLE OF INVENTION: The Nucleotide sequence of
; the Haemophilus influenzae Rd Genome, Fragments
; Thereof, and Uses Thereof
;
NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: MD
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: 3 1/2 inch diskette
COMPUTER: Dell Pentium
OPERATING SYSTEM: MS DOS v6.22
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/557,884
FILING DATE: 25-Apr-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/476,102
FILING DATE: JUN-5-1995
ATTORNEY/AGENT INFORMATION:
NAME: Michelle S. Marks
REGISTRATION NUMBER: 41,971
REFERENCE/DOCKET NUMBER: PB186P3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 301-309-8504
TELEFAX: 301-309-8439
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1830121 base pairs
TYPE: nucleic acid
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; STRANDEDNESS: double
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-557-884-1
Query Match      73.6%; Score 16.2; DB 4; Length 1830121;
Best Local Similarity 85.7%; Pred. No. 2.1e+02;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      2 AGCAAGCAACTGGCAGATTC 22
DB      700215 AGAAATCAACTGGCAGATAC 700195

RESULT 7
US-09-643-990A-1/c
; Sequence 1, Application US/09643990A
; Patent No. 6528289
; GENERAL INFORMATION:
; APPLICANT: Robert D. Fleischmann
; Mark D. Adams
; Owen White
; Hamilton O. Smith
; J. Craig Venter
; TITLE OF INVENTION: The Nucleotide sequence of
; the Haemophilus influenzae Rd Genome, Fragments
; Thereof, and Uses Thereof
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville,
; STATE: MD
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3 1/2 inch diskette
; COMPUTER: Dell Pentium
; OPERATING SYSTEM: MS DOS v6.22
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/643,990A
; FILING DATE: 23-Aug-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/487,429
; FILING DATE: 1995-06-07
; APPLICATION NUMBER: 08/426,787
; FILING DATE: 1995-04-21
; ATTORNEY/AGENT INFORMATION:
; NAME: Kenley K. Hoover
; REGISTRATION NUMBER: 40,302
; REFERENCE/DOCKET NUMBER: PB186P1C1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 301-610-5790
; TELEFAX: 310-309-8439
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1830121 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-643-990A-1
Query Match      73.6%; Score 16.2; DB 4; Length 1830121;
Best Local Similarity 85.7%; Pred. No. 2.1e+02;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      2 AGCAAGCAACTGGCAGATTC 22
DB      700215 AGAAATCAACTGGCAGATAC 700195
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RESULT 8
US-09-621-976-10965/c
; Sequence 10965, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 10965
; LENGTH: 438
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-621-976-10965
Query Match      71.8%; Score 15.8; DB 4; Length 438;
Best Local Similarity 89.5%; Pred. No. 96;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 CAGCAAGCAACTGGCAGA 19
DB      71 CAGCAACCCCACTGGCAGA 53

RESULT 9
US-09-280-116-64/c
; Sequence 64, Application US/09280116A
; Patent No. 6331427
; GENERAL INFORMATION:
; APPLICANT: Robison, Keith E.
; TITLE OF INVENTION: Nucleic Acid Molecules Encoding Human Protease Homologs
; FILE REFERENCE: 5800-24, 035800/176965
; CURRENT APPLICATION NUMBER: US/09/280,116A
; CURRENT FILING DATE: 1999-03-26
; NUMBER OF SEQ ID NOS: 268
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 64
; LENGTH: 452
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: trypsin-like serine proteases
US-09-280-116-64
Query Match      71.8%; Score 15.8; DB 4; Length 452;
Best Local Similarity 89.5%; Pred. No. 97;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      4 CAAAGCAACTGGCAGATTC 22
DB      149 CAAAGCAACAGTCAGATTC 131

RESULT 10
US-08-906-156A-18/c
; Sequence 18, Application US/08906156A
; Patent No. 6287854
; GENERAL INFORMATION:
; APPLICANT: SPURR, NIGEL K
; APPLICANT: GRAY, IAN C
; APPLICANT: STEWART, LORNA M
; TITLE OF INVENTION: DIAGNOSIS OF SUSCEPTIBILITY TO CANCER
; TITLE OF INVENTION: AND TREATMENT THEREOF
; NUMBER OF SEQUENCES: 94
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHYE P.C.
; STREET: 1100 NORTH GLEBE ROAD
```



```

; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22201
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION NUMBER: US/08/906.156A
; FILING DATE: 05-AUG-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/042,655
; FILING DATE: 02-APR-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/033,147
; FILING DATE: 13-DEC-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/005,840
; FILING DATE: 23-OCT-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/96GB/02588
; FILING DATE: 22-OCT-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: SADOFF, B.J.
; REGISTRATION NUMBER: 36,663
; REFERENCE/DOCKET NUMBER: 1090-14
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-816-4000
; TELEFAX: 703-816-4100
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 638 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHEICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: Part of gene corresponding to IMAGE 264611
; US-08-906-156A-18

Query Match 71.8%; Score 15.8; DB 3; Length 638;
Best Local Similarity 89.5%; Pred. No. 1e+02; 2; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 2;

QY 2 AGCAAAGCAACTGGCAGAT 20
Db 577 AGCAAACACCTGGCAGAT 559

RESULT 11
US-08-906-156A-66/c
; Sequence 66, Application US/0806156A
; Patent No. 6287854
; GENERAL INFORMATION:
; APPLICANT: SPURR, NIGEL K
; APPLICANT: GRAY, IAN C
; APPLICANT: STEWART, LORNA M
; TITLE OF INVENTION: DIAGNOSIS OF SUSCEPTIBILITY TO CANCER
; TITLE OF INVENTION: AND TREATMENT THEREOF
; NUMBER OF SEQUENCES: 94
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHYE P.C.
; STREET: 1100 NORTH GLEBE ROAD
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22201
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

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; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION NUMBER: US/08/906.156A
; FILING DATE: 05-AUG-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/042,655
; FILING DATE: 02-APR-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/033,147
; FILING DATE: 13-DEC-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/005,840
; FILING DATE: 23-OCT-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/96GB/02588
; FILING DATE: 22-OCT-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: SADOFF, B.J.
; REGISTRATION NUMBER: 36,663
; REFERENCE/DOCKET NUMBER: 1090-14
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-816-4000
; TELEFAX: 703-816-4100
; INFORMATION FOR SEQ ID NO: 66:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 638 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: human
; US-08-906-156A-66

Query Match 71.8%; Score 15.8; DB 3; Length 638;
Best Local Similarity 89.5%; Pred. No. 1e+02; 2; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 2;

QY 2 AGCAAAGCAACTGGCAGAT 20
Db 577 AGCAAACACCTGGCAGAT 559

RESULT 12
US-09-475-316A-47/c
; Sequence 47, Application US/09475316A
; Patent No. 6210942
; GENERAL INFORMATION:
; APPLICANT: Lewis, No. 6210942man G.
; APPLICANT: Davin, Laurence B, Albena T.
; APPLICANT: Dinkova-Kostova, Masayuki
; APPLICANT: Fujita, Masayuki
; APPLICANT: Gang, David R.
; APPLICANT: Sarkanen, Simo
; APPLICANT: Ford, Joshua D
; TITLE OF INVENTION: RECOMBINANT PINORESINOL/LARICRESINOL REDUCTASES,
; TITLE OF INVENTION: RECOMBINANT DIRIGENT PROTEINS AND METHODS OF USE
; FILE REFERENCE: WSUR-1-13793
; CURRENT APPLICATION NUMBER: US/09/475,316A
; PRIOR FILING DATE: 1999-12-30
; PRIOR APPLICATION NUMBER: 09/307,653
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: PCT/US97/20391
; PRIOR FILING DATE: 1997-11-07
; PRIOR APPLICATION NUMBER: 60/054,380
; PRIOR FILING DATE: 1997-07-31
; PRIOR APPLICATION NUMBER: 60/030,522
; PRIOR FILING DATE: 1996-11-08
; NUMBER OF SEQ ID NOS: 122

```

/ APPLICANT: Dinkova-Kostova, Albena T.
 / APPLICANT: Fujita, Masayuki
 / APPLICANT: Gang, David R.
 / APPLICANT: Sarkanen, Simo
 / APPLICANT: Ford, Joshua D
 / TITLE OF INVENTION: RECOMBINANT PINORESINOL/LARICRESINOL REDUCTASE,
 / TITLE OF INVENTION: RECOMBINANT DIRIGENT PROTEINS AND METHODS OF USE
 / FILE REFERENCE: WSUR-1-13793
 / CURRENT APPLICATION NUMBER: US/09/475,316A
 / CURRENT FILING DATE: 1999-12-30
 / PRIOR APPLICATION NUMBER: 09/307,653
 / PRIOR FILING DATE: 1999-05-07
 / PRIOR APPLICATION NUMBER: PCT/US97/20391
 / PRIOR FILING DATE: 1997-11-07
 / PRIOR APPLICATION NUMBER: 60/054,380
 / PRIOR FILING DATE: 1997-07-31
 / PRIOR APPLICATION NUMBER: 60/030,522
 / PRIOR FILING DATE: 1996-11-08
 / NUMBER OF SEQ ID NOS: 122
 / SOFTWARE: PatentIn Ver. 2.0
 / SEQ ID NO 53
 / LENGTH: 1097
 / TYPE: DNA
 / ORGANISM: Forsythia x intermedia
 / FEATURE:
 / NAME/KEY: CDS
 / LOCATION: (29)..(964)
 / US-09-475-316A-53
 /
 / Query Match 71.8%; Score 15.8; DB 3; Length 1097;
 / Best Local Similarity 89.5%; Pred. NO. 1.2e+02;
 / Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 /
 / QY 1 CAGCAAAAGCAACTGGCAGA 19
 / |||||
 / DB 515 CAGCAAAAGCAATTGCAGA 497
 / |||||
 /
 / RESULT 15
 / US-09-704-640-53/c
 / Sequence 53, Application US/09704640
 / Patent No. 6635459
 / GENERAL INFORMATION:
 / APPLICANT: Lewis, No. 6635459man G.
 / APPLICANT: Davin, Laurence B.
 / APPLICANT: Dinkova-Kostova, Albena T.
 / APPLICANT: Fujita, Masayuki
 / APPLICANT: Gang, David R.
 / APPLICANT: Sarkanen, Simo
 / APPLICANT: Ford, Joshua D
 / TITLE OF INVENTION: RECOMBINANT PINORESINOL/LARICRESINOL REDUCTASE,
 / TITLE OF INVENTION: RECOMBINANT DIRIGENT PROTEIN AND METHODS OF USE
 / FILE REFERENCE: WSUR-1-16492
 / CURRENT APPLICATION NUMBER: US/09/704,640
 / CURRENT FILING DATE: 2000-11-02
 / PRIOR APPLICATION NUMBER: 09/475,316
 / PRIOR FILING DATE: 1999-12-30
 / PRIOR APPLICATION NUMBER: 09/307,653
 / PRIOR FILING DATE: 1999-05-07
 / PRIOR APPLICATION NUMBER: PCT/US97/20391
 / PRIOR FILING DATE: 1997-11-07
 / PRIOR APPLICATION NUMBER: 60/054,380
 / PRIOR FILING DATE: 1997-07-31
 / PRIOR APPLICATION NUMBER: 60/030,522
 / PRIOR FILING DATE: 1996-11-08
 / NUMBER OF SEQ ID NOS: 122
 / SOFTWARE: PatentIn Ver. 2.0
 / SEQ ID NO 53
 / LENGTH: 1097
 / TYPE: DNA
 / ORGANISM: Forsythia x intermedia
 / FEATURE:
 / NAME/KEY: CDS

LOCATION: (29)...(964)
US-09-704-640-53

Query Match 71.8%; Score 15.8; DB 4; Length 1097;
Best Local Similarity 89.5%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CAGCAAGCAACTGGCAGA 19
|||
Db 515 CAGCAAGCAATTGCAGA 497
|||

Search completed: March 22, 2004, 05:37:18
Job time : 8.96575 secs

1	19.4	88.2	989	12	US-10-424-599-47777	Sequence 47777, A
2	17.2	78.2	625	15	US-10-027-632-19805	Sequence 19805,
3	17.2	78.2	625	15	US-10-027-632-19806	Sequence 19806,
C 4	17.2	78.2	1639	12	US-10-425-114-2499	Sequence 2499, Ap
	17.2	78.2	2457	12	US-10-425-114-16045	Sequence 16045, A
C 5	17.2	78.2	766	15	US-10-027-632-3185	Sequence 3185, A
C 6	17.2	77.3	766	15	US-10-027-632-52730	Sequence 52730, A
C 7	16.8	76.4	62	15	US-10-424-599-73933	Sequence 73933, A
C 8	16.8	76.4	860	12	US-10-424-599-73933	Sequence 73933, A
C 9	16.8	76.4	2443	15	US-10-027-632-110611	Sequence 110611,
C 10	16.8	76.4	2443	15	US-10-027-632-110612	Sequence 110612,
C 11	16.6	75.5	3185778	15	US-10-021-632-174951	Sequence 174951,
C 12	16.4	74.5	5035	10	US-09-814-353-19466	Sequence 19466, A
C 13	16.4	74.5	10464	9	US-09-957-974-1	Sequence 1, Appl.
C 14	16.2	73.6	406	9	US-09-783-590-4748	Sequence 4748, Ap
C 15	16.2	73.6	586	15	US-10-341-961A-323	Sequence 343, App

RESULT 2
US-10-027-632-198805
; Sequence 198805, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.

;; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
;; FILE REFERENCE: 108827.129
;; CURRENT APPLICATION NUMBER: US/10/027,632
;; CURRENT FILING DATE: 2002-04-30
;; PRIOR APPLICATION NUMBER: US 60/218,006
;; PRIOR FILING DATE: 2000-07-12
;; PRIOR APPLICATION NUMBER: US 60/198,676
;; PRIOR FILING DATE: 2000-04-20
;; PRIOR APPLICATION NUMBER: US 60/193,483
;; PRIOR FILING DATE: 2000-03-29
;; PRIOR APPLICATION NUMBER: US 60/185,218
;; PRIOR FILING DATE: 2000-02-24
;; PRIOR APPLICATION NUMBER: US 60/167,363
;; PRIOR FILING DATE: 1999-11-23
;; PRIOR APPLICATION NUMBER: US 60/156,358
;; PRIOR FILING DATE: 1999-09-28
;; PRIOR APPLICATION NUMBER: US 60/146,002
;; PRIOR FILING DATE: 1999-08-09
;; NUMBER OF SEQ ID NOS: 325720
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 198805
;; LENGTH: 625
;; TYPE: DNA
;; ORGANISM: Human
US-10-027-632-198805

Query Match 78.2%; Score 17.2; DB 15; Length 625;
Best Local Similarity 86.4%; Pred. No. 92;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 TGCAGATATGTCGAGGAGGACC 22
Db 19 TGCAGATATGTCGAGGAGGACC 40

RESULT 3
US-10-027-632-198806
;; Sequence 198806, Application US/10027632
;; Publication No. US20030204075A9
;; GENERAL INFORMATION:
;; APPLICANT: Wang, David G.
;; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
;; FILE REFERENCE: 108827.129
;; CURRENT APPLICATION NUMBER: US/10/027,632
;; CURRENT FILING DATE: 2002-04-30
;; PRIOR APPLICATION NUMBER: US 60/218,006
;; PRIOR FILING DATE: 2000-07-12
;; PRIOR APPLICATION NUMBER: US 60/198,676
;; PRIOR FILING DATE: 2000-04-20
;; PRIOR APPLICATION NUMBER: US 60/193,483
;; PRIOR FILING DATE: 2000-03-29
;; PRIOR APPLICATION NUMBER: US 60/185,218
;; PRIOR FILING DATE: 2000-02-24
;; PRIOR APPLICATION NUMBER: US 60/167,363
;; PRIOR FILING DATE: 1999-11-23
;; PRIOR APPLICATION NUMBER: US 60/156,358
;; PRIOR FILING DATE: 1999-09-28
;; PRIOR APPLICATION NUMBER: US 60/146,002
;; PRIOR FILING DATE: 1999-08-09
;; NUMBER OF SEQ ID NOS: 325720
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 198806
;; LENGTH: 625
;; TYPE: DNA
;; ORGANISM: Human
US-10-027-632-198806

Query Match 78.2%; Score 17.2; DB 15; Length 625;
Best Local Similarity 86.4%; Pred. No. 92;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 TGCAGATATGTCGAGGAGGACC 22
Db 19 TGCAGATATGTCGAGGAGGACC 40

RESULT 4
US-10-425-114-2499/c
;; Sequence 2499, Application US/10425114
;; Publication No. US20040034888A1
;; GENERAL INFORMATION:
;; APPLICANT: Liu, Jingdong
;; APPLICANT: Zhou, Yihua
;; APPLICANT: Kovalic, David K.
;; APPLICANT: Screen, Steven E.
;; APPLICANT: Tabaska, Jack E.
;; APPLICANT: Cao, Yongwei
;; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
;; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
;; FILE REFERENCE: 38-21(53313)B
;; CURRENT APPLICATION NUMBER: US/10/425,114
;; CURRENT FILING DATE: 2003-04-28
;; NUMBER OF SEQ ID NOS: 73128
;; SEQ ID NO 2499
;; LENGTH: 1639
;; TYPE: DNA
;; ORGANISM: Zea mays
;; FEATURE:
;; OTHER INFORMATION: Clone ID: 700213924_FLI
US-10-425-114-2499

Query Match 78.2%; Score 17.2; DB 12; Length 1639;
Best Local Similarity 86.4%; Pred. No. 1e+02;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 TGCAGATATGTCGAGGAGGACC 22
Db 55 TGCAGATATGTCGAGGAGGTAAC 34

RESULT 5
US-10-425-114-16045/c
;; Sequence 16045, Application US/10425114
;; Publication No. US20040034888A1
;; GENERAL INFORMATION:
;; APPLICANT: Liu, Jingdong
;; APPLICANT: Zhou, Yihua
;; APPLICANT: Kovalic, David K.
;; APPLICANT: Screen, Steven E.
;; APPLICANT: Tabaska, Jack E.
;; APPLICANT: Cao, Yongwei
;; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
;; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
;; FILE REFERENCE: 38-21(53313)B
;; CURRENT APPLICATION NUMBER: US/10/425,114
;; CURRENT FILING DATE: 2003-04-28
;; NUMBER OF SEQ ID NOS: 73128
;; SEQ ID NO 16045
;; LENGTH: 2457
;; TYPE: DNA
;; ORGANISM: Zea mays
;; FEATURE:
;; OTHER INFORMATION: Clone ID: LIB3061-045-B12_FLI
US-10-425-114-16045

Query Match 78.2%; Score 17.2; DB 12; Length 2457;
Best Local Similarity 86.4%; Pred. No. 1e+02;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 TGCAGATATGTCGAGGAGGACC 22
Db 852 TGCAGATATGTCGAGGAGGTAAC 831

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RESULT 6
US-10-027-632-33185/c
; Sequence 52730, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT FILING DATE: 2002-04-30
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 33185
; LENGTH: 766
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(766)
; OTHER INFORMATION: n = A,T,C or G
US-10-027-632-33185

Query Match          77.3%; Score 17; DB 15; Length 766;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      4 AAATATGTGAGGAGGGA 20
        |||||
Db       342 AAATATGTGAGGAGGGA 326

RESULT 7
US-10-027-632-52730/c
; Sequence 52730, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT FILING DATE: 2002-04-30
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
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; SEQ ID NO 52730
; LENGTH: 62
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-52730

Query Match          76.4%; Score 16.8; DB 15; Length 62;
Best Local Similarity 90.0%; Pred. No. 1.2e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 TGCAATATGTGAGGAGGGA 20
        |||||
Db       33 TGCAATATGTGAGGAGGGA 14

RESULT 8
US-10-424-599-73933/c
; Sequence 73933, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 73933
; LENGTH: 860
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_37777C.1
US-10-424-599-73933

Query Match          76.4%; Score 16.8; DB 12; Length 860;
Best Local Similarity 90.0%; Pred. No. 1.5e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      3 CAAATATGTGAGGAGGACC 22
        |||||
Db       412 CAAATATGAAAGGAGGACC 393

RESULT 9
US-10-027-632-110611/c
; Sequence 110611, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT FILING DATE: 2002-04-30
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
```

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; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 110611
; LENGTH: 2443
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-110611

Query Match
Best Local Similarity 76.4%; Score 16.8; DB 15; Length 2443;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 TGCAGGATGTGAGGAGGA 20
Db 1728 TGCAGGATGTGAGGAGGA 1709

RESULT 10
US-10-027-632-110612/c
; Sequence 110612, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; POLYMORPHISMS IN THE HUMAN GENOME
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 110612
; LENGTH: 2443
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-110612

Query Match
Best Local Similarity 76.4%; Score 16.8; DB 15; Length 2443;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 TGCAGGATGTGAGGAGGA 20
Db 1728 TGCAGGATGTGAGGAGGA 1709

RESULT 11
US-10-027-632-174961
; Sequence 174961, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; POLYMORPHISMS IN THE HUMAN GENOME
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
```

```
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 174961
; LENGTH: 3186778
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(3186778)
; OTHER INFORMATION: n = A,T,C or G
US-10-027-632-174961

Query Match
Best Local Similarity 75.5%; Score 16.6; DB 15; Length 3186778;
Matches 16; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 5 AATATGTGAGGAGGAC 21
Db 3113226 AAYATGTGAGGAGGAC 3113242

RESULT 12
US-09-814-353-19466/c
; Sequence 19466, Application US/09814353
; Publication No. US20030165831A1
; GENERAL INFORMATION:
; APPLICANT: Lee, John
; APPLICANT: Thompson, Pamela
; APPLICANT: Lillie, James
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; THERAPY OF OVARIAN CANCER
; FILE REFERENCE: MRI-006B
; CURRENT APPLICATION NUMBER: US/09/814,353
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: US 60/191,031
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: US 60/207,124
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: US 60/211,940
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 60/216,820
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 60/220,661
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: US 60/257,672
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 22037
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 19466
; LENGTH: 5035
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1_2_3_5035
; OTHER INFORMATION: n = A,T,C or G
US-09-814-353-19466

Query Match
Best Local Similarity 74.5%; Score 16.4; DB 10; Length 5035;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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QY 1 TGCAAAATATGTGAGGAGG 18
Db 1405 TGCAAAATATGTGAGGAGG 1388

RESULT 13

US-09-957-974-1/c
; Sequence 1, Application US/09957974
; Patent No. US20020094967A1
; GENERAL INFORMATION:
; APPLICANT: Antoniou, Michael
; APPLICANT: Crombie, Robert
; TITLE OF INVENTION: Polynucleotide
; FILE REFERENCE: Caco-0069 (SW/P1598W0)
; CURRENT APPLICATION NUMBER: US/09/957,974
; CURRENT FILING DATE: 2001-09-20
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 10464
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: PDCD2/ACTIN ARTIFICIAL UCOE SEQUENCE
US-09-957-974-1

Query Match 74.5%; Score 16.4; DB 9; Length 10464;
Best Local Similarity 94.4%; Pred. No. 3e+02; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 5 AATATGTGAGGAGGACC 22
Db 6096 AATATGTGAGGAGGGAAC 6079

RESULT 14

US-09-783-590-4728/c
; Sequence 4728, Application US/09783590
; Patent No. US20020110850A1
; GENERAL INFORMATION:
; APPLICANT: Dillon, Patrick J.
; APPLICANT: Haseltine, William A.
; APPLICANT: Li, Haodong
; APPLICANT: Rosen, Craig A.
; APPLICANT: Ruben, Steven M.
; TITLE OF INVENTION: Human Genes, Sequences, and Expression Products 16.2
; FILE REFERENCE: PO-16.2C1
; CURRENT APPLICATION NUMBER: US/09/783,590
; CURRENT FILING DATE: 2000-02-15
; PRIOR APPLICATION NUMBER: 08/420,856
; PRIOR FILING DATE: 1995-04-12
; PRIOR APPLICATION NUMBER: 08/346,731
; PRIOR FILING DATE: 1994-11-21
; NUMBER OF SEQ ID NOS: 12485
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4728
; LENGTH: 406
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (41)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (230)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (268)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (344)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature

; LOCATION: (359)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (371)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (382)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (389)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (399)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (401)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-783-590-4728

Query Match 73.6%; Score 16.2; DB 9; Length 406;
Best Local Similarity 85.7%; Pred. No. 2.8e+02;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 GCAAAATATGTGAGGAGGACC 22
Db 74 GCGAAGAGGTGAGGAGGACC 54

RESULT 15

US-10-341-961A-343/c
; Sequence 343, Application US/10341961A
; Publication No. US20040006787A1
; GENERAL INFORMATION:
; APPLICANT: Boyce Thompson Institute for Plant Research, Inc.
; APPLICANT: Curagen Corporation
; APPLICANT: Crasta, Oswald
; APPLICANT: Swirsky, Peter
; APPLICANT: Mysore, Kiran
; APPLICANT: Folkerts, Otto
; APPLICANT: Martin, Gregory
; APPLICANT: Ekengren, Sophia
; TITLE OF INVENTION: PLANT DEFENSE-RELATED GENES REGULATED IN RESPONSE TO PLANT-PATHOGEN
; FILE REFERENCE: BTI.67A2
; CURRENT APPLICATION NUMBER: US/10/341,961A
; CURRENT FILING DATE: 2003-01-14
; PRIOR APPLICATION NUMBER: 60390249
; PRIOR FILING DATE: 2002-06-20
; PRIOR APPLICATION NUMBER: 60261029
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60348792
; PRIOR FILING DATE: 2002-01-14
; NUMBER OF SEQ ID NOS: 395
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 343
; LENGTH: 586
; TYPE: DNA
; ORGANISM: Lycopersicon esculentum
US-10-341-961A-343

Query Match 73.6%; Score 16.2; DB 15; Length 586;
Best Local Similarity 85.7%; Pred. No. 2.9e+02;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 GCAAAATATGTGAGGAGGACC 22
Db 444 GCGATATGTGAGGAGGACC 424

Search completed: March 22, 2004, 07:36:59
Job time : 14.5017 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: March 22, 2004, 04:12:41 ; Search time 2.96575 Seconds
(without alignments)
4116.644 Million cell updates/sec

Title: US-09-308-080-3

Perfect score: 22
Sequence: 1 TGCAATATGTGAGGAGGACC 22

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA:*
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2: /cgn2_6/prodata/2/ina/5B-COMB.seq:*
3: /cgn2_6/prodata/2/ina/6A-COMB.seq:*
4: /cgn2_6/prodata/2/ina/6B-COMB.seq:*
5: /cgn2_6/prodata/2/ina/6C-COMB.seq:*
6: /cgn2_6/prodata/2/ina/6D-COMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	16.2	73.6	15418	4	US-09-783-203-1
2	16.2	73.6	51552	4	US-09-733-294A-30
3	15.8	71.8	50533	4	US-08-820-312D-590
4	15.6	70.9	1688	4	US-09-173-300-37
5	15.6	70.9	3495	3	US-08-827-962-17
6	15.6	70.9	3982	3	US-08-947-823-4
7	15.6	70.9	9870	4	US-09-245-928A-15
8	15.6	70.9	51952	3	US-08-947-823-1
9	15.4	70.0	911	4	US-09-171-209-12
10	15.4	70.0	3711	4	US-09-883-134-3
11	15.4	70.0	3796	1	US-08-343-760A-1
12	15.4	70.0	4034	4	US-09-883-134-5
13	15.2	69.1	510	4	US-09-621-376-18595
14	15.2	69.1	636	4	US-09-702-705-1530
15	15.2	69.1	636	4	US-09-736-457-1530
16	15.2	69.1	636	4	US-09-614-124B-1530
17	15.2	69.1	636	4	US-08-671-325-1530
18	15.2	69.1	843	3	US-08-953-326-10
19	15.2	69.1	843	4	US-09-314-701-5
20	15.2	69.1	843	4	US-09-314-701-11
21	15.2	69.1	843	4	US-09-553-662-10
22	15.2	69.1	843	4	US-10-062-994-10
23	15.2	69.1	849	4	US-09-660-587-3
24	15.2	69.1	849	4	US-09-261-358A-3
25	15.2	69.1	849	4	US-09-811-007A-3
26	15.2	69.1	852	4	US-09-314-701-39
27	15.2	69.1	2554	4	US-09-023-655-886

Sequence 140, App
Sequence 12, Appl
Patent No. 5196323
Sequence 1, Appl
Sequence 3, Appl
Sequence 69, Appl
Sequence 69, Appl
Sequence 69, Appl
Sequence 69, Appl
Sequence 1, Appl
Sequence 73, Appl
Sequence 73, Appl
Sequence 73, Appl
Sequence 3, Appl
Sequence 1, Appl
Sequence 227, App

28 15.2 69.1 5468 4 US-09-220-132-140
29 15.2 69.1 5470 1 US-08-441-139-12
30 15.2 69.1 5470 6 5196523-5
31 15.2 69.1 1230025 4 US-09-198-452A-1
32 14.8 67.3 437 2 US-08-721-746-3
33 14.8 67.3 793 2 US-08-467-603-69
34 14.8 67.3 793 2 US-08-466-793-69
35 14.8 67.3 793 2 US-08-491-861A-69
36 14.8 67.3 793 4 US-09-374-671A-69
37 14.8 67.3 942 4 US-09-609-816-1
38 14.8 67.3 998 2 US-08-467-603-73
39 14.8 67.3 998 2 US-08-466-793-73
40 14.8 67.3 998 4 US-08-491-861A-73
41 14.8 67.3 998 4 US-09-374-671A-73
42 14.8 67.3 1004 4 US-09-609-816-3
43 14.8 67.3 1552 3 US-08-348-705-1
44 14.8 67.3 1552 4 US-09-510-543-1
45 14.8 67.3 1719 4 US-09-280-116-227

ALIGNMENTS

RESULT 1
US-09-783-203-1
; Sequence 1, Application US/09783203
; Patent No. 6576464
; GENERAL INFORMATION:
; APPLICANT: Geron Corporation
; APPLICANT: Gold, Joseph
; APPLICANT: Lebkowski, Jane
; TITLE OF INVENTION: Packaged stem cells
; FILE REFERENCE: 096/003
; CURRENT APPLICATION NUMBER: US/09/783,203
; CURRENT FILING DATE: 2001-02-13
; PRIOR APPLICATION NUMBER: 60/253,443
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/253,357
; PRIOR FILING DATE: 2000-11-27
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 1
; LENGTH: 15418
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-783-203-1

Query Match Similarity 73.6%; Score 16.2; DB 4; Length 15418;
Best Local Similarity 85.7%; Pred. No. 68;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY 2 GCATATGTGAGGAGGACC 22
DB 6954 GCAGAAATGTGAGGAGGAC 6974

RESULT 2
US-09-733-294A-30
; Sequence 30, Application US/09733294A
; Patent No. 6492171
; GENERAL INFORMATION:
; APPLICANT: Brett P. Moria
; APPLICANT: William Gaarde
; APPLICANT: Susan M. Preter
; APPLICANT: Edward V. Wanciewicz
; TITLE OF INVENTION: ANTISENSE MODULATION OF TERT EXPRESSION
; FILE REFERENCE: ISPH-0527
; CURRENT APPLICATION NUMBER: US/09/733,294A
; CURRENT FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: 09/572,423
; PRIOR FILING DATE: 2000-05-16
; NUMBER OF SEQ ID NOS: 108
; SEQ ID NO 30

LENGTH: 51552
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: exon
LOCATION: (1)...(11492)
OTHER INFORMATION: exon 1
NAME/KEY: intron
LOCATION: (11493)...(11596)
OTHER INFORMATION: intron 1
NAME/KEY: exon
LOCATION: (11597)...(12950)
OTHER INFORMATION: exon 2
NAME/KEY: intron
LOCATION: (12951)...(21566)
OTHER INFORMATION: intron 2
NAME/KEY: exon
LOCATION: (21567)...(21762)
OTHER INFORMATION: exon 3
NAME/KEY: intron
LOCATION: (21763)...(23851)
OTHER INFORMATION: intron 3
NAME/KEY: exon
LOCATION: (23852)...(24032)
OTHER INFORMATION: exon 4
NAME/KEY: intron
LOCATION: (24033)...(24719)
OTHER INFORMATION: intron 4
NAME/KEY: exon
LOCATION: (24720)...(24899)
OTHER INFORMATION: exon 5
NAME/KEY: intron
LOCATION: (24900)...(25393)
OTHER INFORMATION: intron 5
NAME/KEY: exon
LOCATION: (25394)...(25549)
OTHER INFORMATION: exon 6
NAME/KEY: intron
LOCATION: (25550)...(30196)
OTHER INFORMATION: intron 6
NAME/KEY: exon
LOCATION: (30195)...(30292)
OTHER INFORMATION: exon 7
NAME/KEY: intron
LOCATION: (30293)...(31272)
OTHER INFORMATION: intron 7
NAME/KEY: exon
LOCATION: (31273)...(31358)
OTHER INFORMATION: exon 8
NAME/KEY: intron
LOCATION: (31359)...(33843)
OTHER INFORMATION: intron 8
NAME/KEY: unsure
LOCATION: 31450
OTHER INFORMATION: unknown
NAME/KEY: exon
LOCATION: (33844)...(33957)
OTHER INFORMATION: exon 9
NAME/KEY: intron
LOCATION: (33958)...(35941)
OTHER INFORMATION: intron 9
NAME/KEY: exon
LOCATION: (35942)...(36013)
OTHER INFORMATION: exon 10
NAME/KEY: intron
LOCATION: (36014)...(37884)
OTHER INFORMATION: intron 10
NAME/KEY: exon
LOCATION: (37885)...(38073)
OTHER INFORMATION: exon 11
NAME/KEY: intron
LOCATION: (38074)...(41874)
OTHER INFORMATION: intron 11

NAME/KEY: exon
LOCATION: (41875)...(42001)
OTHER INFORMATION: exon 12
NAME/KEY: intron
LOCATION: (42002)...(42881)
OTHER INFORMATION: intron 12
NAME/KEY: exon
LOCATION: (42882)...(42943)
OTHER INFORMATION: exon 13
NAME/KEY: intron
LOCATION: (42944)...(46129)
OTHER INFORMATION: intron 13
NAME/KEY: exon
LOCATION: (46130)...(46254)
OTHER INFORMATION: exon 14
NAME/KEY: intron
LOCATION: (46255)...(47035)
OTHER INFORMATION: intron 14
NAME/KEY: exon
LOCATION: (47036)...(47173)
OTHER INFORMATION: exon 15
NAME/KEY: intron
LOCATION: (47174)...(47709)
OTHER INFORMATION: intron 15
NAME/KEY: exon
LOCATION: (47710)...(50544)
OTHER INFORMATION: exon 16
US-09-733-294A-30

Query Match 73.6%; Score 16.2; DB 4; Length 51552;
Best Local Similarity 85.7%; Pred. No. 88;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 GCATATATGTGAGGAGGACC 22
DB 4683 GCAGAAATGTGAGGAGGAC 4703

RESULT 3
US-09-620-312D-590
Sequence 590, Application US/09620312D
Patent No. 6569662
GENERAL INFORMATION:
APPLICANT: Tang, Y. Tom
APPLICANT: Liu, Chenghua
APPLICANT: Asundi, Vinod
APPLICANT: Zhang, Jie
APPLICANT: Ren, Feiyan
APPLICANT: Chen, Rui-hong
APPLICANT: Zhao, Qing A.
APPLICANT: Wehrman, Tom
APPLICANT: Xue, Aidong J.
APPLICANT: Yang, Yonghong
APPLICANT: Wang, Jian-Rui
APPLICANT: Zhou, Ping
APPLICANT: Ma, Yunding
APPLICANT: Wang, Dunrui
APPLICANT: Wang, Zhiwei
APPLICANT: John Tillinghast
APPLICANT: Drmanac, Radoje T.
TITLE OF INVENTION: No. 6569662el Nucleic Acids and
TITLE OF INVENTION: Polypeptides
FILE REFERENCE: 784CIP2B
CURRENT APPLICATION NUMBER: US/09/620,312D
CURRENT FILING DATE: 2000-07-19
PRIOR APPLICATION NUMBER: 09/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: 09/488,725
PRIOR FILING DATE: 2000-01-21
NUMBER OF SEQ ID NOS: 1105
SOFTWARE: pc_fl_genes Version 1.0
SEQ ID NO 590
LENGTH: 5053

TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (154)..(2409)
US-09-620-312D-590

Query Match 71.8%; Score 15.8; DB 4; Length 5053;
Best Local Similarity 89.5%; Pred. No. 86;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 GCAGATATGTGAGGAGGGA 20
DB 3972 GCAGATATGTGAGGAATGA 3990

RESULT 4
US-09-173-300-37
Sequence 37, Application US/09173300
Patent No. 6451581
GENERAL INFORMATION:
APPLICANT: Falco, Saverio Carl
APPLICANT: Hitz, William D.
APPLICANT: Kinney, Anthony J.
APPLICANT: Caboon, Rebecca E.
APPLICANT: Rafalski, J. Antoni
TITLE OF INVENTION: PLANT BRANCHED CHAIN AMINO ACID BIOSYNTHETIC ENZYMES
FILE REFERENCE: BB-1126
CURRENT APPLICATION NUMBER: US/09/173,300
EARLIER FILING DATE: 1998-10-15
EARLIER APPLICATION NUMBER: 60/063,423
EARLIER FILING DATE: 1997 October 28
NUMBER OF SEQ ID NOS: 54
SOFTWARE: Microsoft Word Version 7.0A
SEQ ID NO 37
LENGTH: 1688
TYPE: DNA
ORGANISM: Zea mays
FEATURE:
NAME/KEY: unsure
LOCATION: (1673)
US-09-173-300-37

Query Match 70.9%; Score 15.6; DB 4; Length 1688;
Best Local Similarity 81.8%; Pred. No. 86;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 TGCAATATGTGAGGAGGACC 22
DB 1152 TGCAAGATGTGAAGATCGACC 1173

RESULT 5
US-08-827-962-17
Sequence 17, Application US/08827962A
Patent No. 6258944
GENERAL INFORMATION:
APPLICANT: MERCK & CO., INC.
TITLE OF INVENTION: OB RECEPTOR ISOFORMS AND NUCLEIC ACIDS
FILE REFERENCE: 19693
CURRENT APPLICATION NUMBER: US/08/827,962A
CURRENT FILING DATE: 1997-05-06
PRIOR FILING DATE: 60/016,899
NUMBER OF SEQ ID NOS: 21
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 17
LENGTH: 3495
TYPE: DNA
ORGANISM: Rattus No. 6258944vegicus
US-08-827-962-17

Query Match 70.9%; Score 15.6; DB 3; Length 3495;
Best Local Similarity 81.8%; Pred. No. 1e+02;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 TGCAATATGTGAGGAGGACC 22
DB 2962 TGCAATATGTGTGCAGGTACC 2983

RESULT 6
US-08-947-823-4
Sequence 4, Application US/08947823
Patent No. 6114605
GENERAL INFORMATION:
APPLICANT: Williamson, Valerie M.
APPLICANT: Kaloshian, Isgouhi
APPLICANT: Yaghoobi, Jafar
APPLICANT: Bodeau, John
APPLICANT: Milligan, Stephen
TITLE OF INVENTION: Procedures and Materials for Conferring
TITLE OF INVENTION: Pest Resistance in Plants
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM: disk
MEDIUM TYPE: Floppy
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/947,823
FILING DATE: 09-OCT-1997
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/18802
FILING DATE: 09-OCT-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/028,191
FILING DATE: 10-OCT-1996
ATTORNEY/AGENT INFORMATION:
NAME: Bastian, Kevin L.
REGISTRATION NUMBER: 34,774
REFERENCE/DOCKET NUMBER: 023070-070210US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 3982 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 87..3860
OTHER INFORMATION: /note= "Copy 2 cDNA for M1 nematode
OTHER INFORMATION: resistance gene of tomato"
US-08-947-823-4

Query Match 70.9%; Score 15.6; DB 3; Length 3982;
Best Local Similarity 81.8%; Pred. No. 1e+02;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 TGCAATATGTGAGGAGGACC 22
DB 3794 TGACATATGTGAGGAGGGAAC 3815

RESULT 7
US-09-245-928A-15
; Sequence 15, Application US/09245928A
; Patent No. 6613962
; GENERAL INFORMATION:
; APPLICANT: KEYGENE N.V.
; TITLE OF INVENTION: RESISTANCE AGAINST NEMATODES AND/OR APHIDS
; FILE REFERENCE: 960-35
; CURRENT APPLICATION NUMBER: US/09/245.928A
; CURRENT FILING DATE: 1999-02-08
; PRIOR APPLICATION NUMBER: PCT/EP97/04340
; PRIOR FILING DATE: 1997-08-08
; PRIOR APPLICATION NUMBER: E986401764.4
; PRIOR FILING DATE: 1996-08-09
; PRIOR APPLICATION NUMBER: EP97401101.7
; PRIOR FILING DATE: 1997-05-16
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 15
; LENGTH: 9870
; TYPE: DNA
; ORGANISM: Mi resistance gene
US-09-245-928A-15
Query Match 70.9%; Score 15.6; DB 4; Length 9870;
Best Local Similarity 81.8%; Pred. No. 1.3e+02;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
CY 1 TGC A A A T A T G T G A G G A G G A C C 22
DB 7045 TGAAGATATGAGAGGAGGGAAC 7066

RESULT 8
US-08-947-823-1
; Sequence 1, Application US/08947823
; Patent No. 6114605
; GENERAL INFORMATION:
; APPLICANT: Williamson, Valerie M.
; APPLICANT: Kaloshian, Isgouhi
; APPLICANT: Yaghoobi, Jafar
; APPLICANT: Bodeau, John
; APPLICANT: Milligan, Stephen
; TITLE OF INVENTION: Procedures and Materials for Conferring
; TITLE OF INVENTION: Pest Resistance in Plants
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION NUMBER: US/08/947,823
; FILING DATE: 09-OCT-1997
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US97/18802
; FILING DATE: 09-OCT-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/028,191
; FILING DATE: 10-OCT-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Bastian, Kevin L.
; REGISTRATION NUMBER: 34,774
; REFERENCE/DOCKET NUMBER: 023070-070210US

TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 51952 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-947-823-1
Query Match 70.9%; Score 15.6; DB 3; Length 51952;
Best Local Similarity 81.8%; Pred. No. 1.8e+02;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
CY 1 TGC A A A T A T G T G A G G A G G A C C 22
DB 19866 TGAAGATATGAGAGGAGGGAAC 19887

RESULT 9
US-09-171-209-12/c
; Sequence 12, Application US/09171209
; Patent No. 6448000
; GENERAL INFORMATION:
; APPLICANT: VANDERBILT UNIVERSITY
; ADDRESS: 305 Kirkland Hall
; CITY: Nashville, TN 37240
; STATE: Georgia
; COUNTRY: USA
; ZIP: 30303-1811
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/171,209
; FILING DATE: 08-Mar-1999
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US97/06067
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Selby, Elizabeth
; REGISTRATION NUMBER: 38,298
; REFERENCE/DOCKET NUMBER: 22000.0061/P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 404 688 0770
; TELEFAX: 404 688 9880
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 911 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 12:
US-09-171-209-12
Query Match 70.8%; Score 15.4; DB 4; Length 911;
Best Local Similarity 84.2%; Pred. No. 95;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
CY 2 GCA A A T A T G T G A G G A G G A C C 20

Db 208 GCANATATGTGAGGAGGA 190
|||||
RESULT 10
US-09-883-134-3/c
; Sequence 3, Application US/09883134
; Patent No. 6511840
; GENERAL INFORMATION:
; APPLICANT: Walke, D. Wade
; APPLICANT: Scoville, John
; APPLICANT: Donoho, Gregory
; APPLICANT: Turner, C. Alexander Jr.
; APPLICANT: Mathur, Brian
; APPLICANT: Mathur, Daniel
; APPLICANT: Friddle, Carl Johan
; TITLE OF INVENTION: No. 6511840el Human Kinase Proteins and Polynucleotides Encoding
; FILE REFERENCE: LEX-0193-USA
; CURRENT APPLICATION NUMBER: US/09/883,134
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: US 60/211,572
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 60/216,382
; PRIOR FILING DATE: 2000-07-07
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 3711
; TYPE: DNA
; ORGANISM: homo sapiens
US-09-883-134-3
Query Match 70.0%; Score 15.4; DB 4; Length 3711;
Best Local Similarity 84.2%; Pred. No. 1.3e+02;
Matches 16; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
Qy 1 TGCAAATATGTGAGGAGG 19
Db 1206 TGCAAATATGTGGGGGGR 1188
|||||
RESULT 11
US-08-343-760A-1
; Sequence 1, Application US/08343760A
; Patent No. 5579783
; GENERAL INFORMATION:
; APPLICANT: De Robertis, Edward M
; APPLICANT: Sasai, Yoshiki
; TITLE OF INVENTION: Tissue Differentiation Affecting
; TITLE OF INVENTION: Factor and Composition
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Majestic, Parsons, Siebert & Heue
; STREET: Four Embarcadero Center, Suite 1450
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/343,760A
; FILING DATE: 22-NOV-1994
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Siebert, J. Suzanne
; REGISTRATION NUMBER: 28,758
; REFERENCE/DOCKET NUMBER: 3100.1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 363-5556

; TELEFAX: (415) 362-5418
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3796 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-08-343-760A-1
Query Match 70.0%; Score 15.4; DB 1; Length 3796;
Best Local Similarity 94.1%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 4 AAATATGTGAGGAGGA 20
Db 2314 AAATATATGAGGAGGA 2330
|||||
RESULT 12
US-09-883-134-5/c
; Sequence 5, Application US/09883134
; Patent No. 6511840
; GENERAL INFORMATION:
; APPLICANT: Walke, D. Wade
; APPLICANT: Scoville, John
; APPLICANT: Donoho, Gregory
; APPLICANT: Turner, C. Alexander Jr.
; APPLICANT: Mathur, Brian
; APPLICANT: Mathur, Daniel
; APPLICANT: Friddle, Carl Johan
; TITLE OF INVENTION: No. 6511840el Human Kinase Proteins and Polynucleotides Encoding
; FILE REFERENCE: LEX-0193-USA
; CURRENT APPLICATION NUMBER: US/09/883,134
; CURRENT FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: US 60/211,572
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 60/216,382
; PRIOR FILING DATE: 2000-07-07
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 4034
; TYPE: DNA
; ORGANISM: homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(4034)
; OTHER INFORMATION: n = A,T,C or G
US-09-883-134-5
Query Match 70.0%; Score 15.4; DB 4; Length 4034;
Best Local Similarity 84.2%; Pred. No. 1.3e+02;
Matches 16; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
Qy 1 TGCAAATATGTGAGGAGG 19
Db 1373 TGCAAATATGTGGGGGGR 1355
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RESULT 13
US-09-621-18595/c
; Sequence 18595, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335

RESULT 15
US-09-736-457-1530/c
; Sequence 1530, Application US/09736457
; Patent No. 6509448
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; APPLICANT: Wang, AiJun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER

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OM nucleic - nucleic search, using sw model

Run on: March 22, 2004, 05:06:41 ; Search time 410.997 Seconds
(without alignments)
7749.384 Million cell updates/sec

Title: US-09-308-080-1

Perfect score: 861
Sequence: 1 TGTAAATGAAGATAAATATT.....AGTGGGAATAATTATTAA 861

Scoring table: IDENTITY NUC
Gapop 10_0 , Gapext 1.0

Searched: 2438257 seqs, 1849576744 residues

Total number of hits satisfying chosen parameters: 4876514

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications NA:*

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- 2: /cgn2_6/prodata/2/pubpna/PCT_NEW_PUB.seq:*
- 3: /cgn2_6/prodata/2/pubpna/US06_NEW_PUB.seq:*
- 4: /cgn2_6/prodata/2/pubpna/US06_PUBCOMB.seq:*
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- 10: /cgn2_6/prodata/2/pubpna/US09_PUBCOMB.seq:*
- 11: /cgn2_6/prodata/2/pubpna/US09_PUBCOMB.seq:*
- 12: /cgn2_6/prodata/2/pubpna/US09_NEW_PUB.seq:*
- 13: /cgn2_6/prodata/2/pubpna/US10A_PUBCOMB.seq:*
- 14: /cgn2_6/prodata/2/pubpna/US10B_PUBCOMB.seq:*
- 15: /cgn2_6/prodata/2/pubpna/US10C_PUBCOMB.seq:*
- 16: /cgn2_6/prodata/2/pubpna/US10_NEW_PUB.seq:*
- 17: /cgn2_6/prodata/2/pubpna/US60_NEW_PUB.seq:*
- 18: /cgn2_6/prodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query Match %	Score	Length	ID	Description
1	214.8	24.9	239	12	US-10-085-783A-28135
2	214.8	24.9	239	15	US-10-242-535A-28135
3	171.2	19.9	393	9	US-09-854-886-1
4	169.6	19.7	4409	9	US-09-954-456-531
5	169.6	19.7	4409	9	US-09-880-107-3323
6	169.6	19.7	4409	10	US-09-873-367C-236
7	169.6	19.7	4409	14	US-10-240-965-235
8	153.4	17.8	418	9	US-09-960-352-9491
9	145.2	16.9	4358	9	US-09-917-800A-1343
10	123.6	14.4	512	9	US-09-783-590-9055
11	52	6.0	3673778	14	US-10-312-841-1
12	49.6	5.8	8011	14	US-10-311-455-52
13	48.8	5.7	2000	9	US-09-938-842A-4135
14	48.8	5.7	2000	11	US-09-938-842A-4135
15	48.2	5.6	7001	14	US-10-172-086-60

16	47.6	5.5	11577	14	US-10-311-455-413	Sequence 413, App
17	46.4	5.4	5845	14	US-10-311-455-1635	Sequence 1635, App
18	46.4	5.4	335913	10	US-09-754-853A-2	Sequence 2, Appli
19	46.4	5.4	335913	10	US-09-754-853A-3	Sequence 3, Appli
20	45.6	5.3	5893	14	US-10-311-455-831	Sequence 831, App
21	45.6	5.3	12393	14	US-10-311-455-1236	Sequence 1236, App
22	45.4	5.3	6072	14	US-10-311-455-3	Sequence 3, Appli
23	45.4	5.3	3673778	14	US-10-312-841-2	Sequence 2, Appli
24	45.4	5.3	3673778	14	US-10-312-841-2	Sequence 2, Appli
25	45.2	5.2	10467	14	US-10-240-453-327	Sequence 327, App
26	44.8	5.2	7728	14	US-10-311-455-50	Sequence 50, Appl
27	44.6	5.2	18598	14	US-10-311-455-359	Sequence 359, App
28	44.4	5.2	611	15	US-10-027-632-186617	Sequence 186617,
29	44.2	5.1	5397	14	US-10-311-455-2178	Sequence 2178, App
30	44.2	5.1	8802	12	US-10-221-714A-274	Sequence 274, App
31	44.2	5.1	8802	14	US-10-311-455-1184	Sequence 1184, App
32	44	5.1	859	14	US-10-198-846-6721	Sequence 6721, App
33	44	5.1	17721	14	US-10-311-455-1702	Sequence 1702, App
34	43.8	5.1	12968	12	US-10-221-714A-505	Sequence 505, App
35	43.8	5.1	12968	14	US-10-239-676-201	Sequence 201, App
36	43.8	5.1	12968	14	US-10-311-455-2057	Sequence 2057, App
37	43.8	5.1	12968	14	US-10-240-453-297	Sequence 297, App
38	43.6	5.1	5690	16	US-10-257-166-109	Sequence 109, App
39	43.6	5.1	5690	16	US-10-257-166-109	Sequence 109, App
40	43.6	5.1	7771	14	US-10-311-455-1945	Sequence 1945, App
41	43.6	5.1	13574	14	US-10-311-455-1290	Sequence 1290, App
42	43.4	5.0	8547	12	US-10-221-613-78	Sequence 78, Appl
43	43.2	5.0	487	12	US-10-424-598-4650	Sequence 40650, A
44	43.2	5.0	6048	12	US-10-221-714A-336	Sequence 336, App
45	43	5.0	3007	14	US-10-239-676-220	Sequence 220, App

ALIGNMENTS

RESULT 1
US-10-085-783A-28135
; Sequence 28135, Application US/10085783A
; Publication No. US20040037841A1
; GENERAL INFORMATION:
; APPLICANT: ChondroGene Inc.
; APPLICANT: Liaw, C.C.
; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
; FILE REFERENCE: 4231/2002
; CURRENT APPLICATION NUMBER: US/10/085,783A
; CURRENT FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: US 60/305,340
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/275,017
; PRIOR FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: US 60/271,955
; PRIOR FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 58994
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 28135
; LENGTH: 239
; TYPE: DNA
; ORGANISM: Human
US-10-085-783A-28135

Query Match	24.9%	Score 214.8;	DB 12;	Length 239;
Best Local Similarity	96.6%	Pred. No. 3.9e-39;		
Matches 230;	Conservative 0;	Mismatches 7;	Indels 1;	Gaps 1;
QY	333	CTGGACAAAGCTCCTTTCTGTAATTTGAGCTCATCAGTGAGAAAACGGCTCCATATTGGT	392	
Db	1	CTGGACAAAGCTCCTTTCTGTAATTTGAGCTCATCAGTGAGAAAACGGCTCCATATTGGT	60	
QY	393	GTCGAAGTGCACGTGAACCTAAGCTGACTTCCAGACAAGCTAAGTGTGA-TAAAAATC	451	
Db	61	GTCGAAGTGCACGTGAACCTAAGCTGACTTCCAGACAAGCTAAGTGTGA-TTAAATC	120	
QY	452	TAAAAAAGAGATGGCATAAAGTTGGTGAATTTTAAATCATCCATTCATAGCT	511	

Db 1817 CACCAAACTTCTCTCTTTGATAGGACATTGTGACAAATGTTTCCCCCAGAAATCATCCG 1876
QY 304 GGGAAACCACTCTGGCCCCCATGTATGGCCCTGGACAAAGCTCTCTTCTGAATATTGAGCT 363
Db 1877 GGGAAACCACTCTGGCCCCCATGTATGGCCCTGGACAAAGCTCTCTTCTGAATATTGAGCT 1936
QY 364 CATCAGTGAGAAACGGCTGCATATTGTGTCAAAAGTGTCACTGAATTAAGGCTGACTT 423
Db 1937 CATCAGTGAGAAACGGCTGCATATTGTGTCAAAAGTGTCACTGAATTAAGGCTGACTT 1996
QY 424 CCCAGACAACGT 435
Db 1997 TCCAGACAACAT 2008

RESULT 5

US-09-880-107-3323
; Sequence 3323, Application US/09880107
; Patent No. US20020142981A1
; GENERAL INFORMATION:
; APPLICANT: Horne, Darci T.
; APPLICANT: Vockley, Joseph G.
; APPLICANT: Scherf, Dwe
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
; FILE REFERENCE: 44921-5028-WO
; CURRENT APPLICATION NUMBER: US/09/880,107
; PRIOR APPLICATION NUMBER: US 60/211,379
; PRIOR FILING DATE: 2001-06-14
; PRIOR FILING DATE: 2000-06-14
; PRIOR APPLICATION NUMBER: US 60/237,054
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 3950
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3323
; LENGTH: 4409
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20020142981A1 U20938
US-09-880-107-3323

Query Match 19.7%; Score 169.6; DB 9; Length 4409;
Best Local Similarity 92.7%; Pred. No. 2.8e-28; Indels 0; Gaps 0;
Matches 178; Conservative 0; Mismatches 14;

QY 244 CTCATATCTTTACTCTTTTCATGAGGACATTGTGACAAATGTTTCCCCCATAATCATCCG 303
Db 1817 CACCAAACTTCTCTCTTTGATAAGGACATTGTGACAAATGTTTCCCCCAGAAATCATCCG 1876
QY 304 GGGAAACCACTCTGGCCCCCATGTATGGCCCTGGACAAAGCTCTCTTCTGAATATTGAGCT 363
Db 1877 GGGAAACCACTCTGGCCCCCATGTATGGCCCTGGACAAAGCTCTCTTCTGAATATTGAGCT 1936
QY 364 CATCAGTGAGAAACGGCTGCATATTGTGTCAAAAGTGTCACTGAATTAAGGCTGACTT 423
Db 1937 CATCAGTGAGAAACGGCTGCATATTGTGTCAAAAGTGTCACTGAATTAAGGCTGACTT 1996
QY 424 CCCAGACAACGT 435
Db 1997 TCCAGACAACAT 2008

RESULT 6

US-09-873-367C-236
; Sequence 236, Application US/09873367C
; Publication No. US20030165839A1
; GENERAL INFORMATION:
; APPLICANT: Young, Paul
; APPLICANT: Soppet, Daniel
; APPLICANT: Endress, Gregory
; APPLICANT: Augustus, Meena
; APPLICANT: Ebner, Reinhard

; APPLICANT: Carter, Kenneth
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using
; FILE REFERENCE: 689290-64
; CURRENT APPLICATION NUMBER: US/09/873,367C
; CURRENT FILING DATE: 2003-04-29
; PRIOR APPLICATION NUMBER: U.S. 60/236,891
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: U.S. 60/236,842
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: U.S. 60/244,867
; PRIOR FILING DATE: 2000-11-01
; PRIOR APPLICATION NUMBER: U.S. 60/245,084
; PRIOR FILING DATE: 2000-11-01
; NUMBER OF SEQ ID NOS: 1067
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 236
; LENGTH: 4409
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-873-367C-236

Query Match 19.7%; Score 169.6; DB 10; Length 4409;
Best Local Similarity 92.7%; Pred. No. 2.8e-28; Indels 0; Gaps 0;
Matches 178; Conservative 0; Mismatches 14;

QY 244 CTCATATCTTTACTCTTTTCATGAGGACATTGTGACAAATGTTTCCCCCATAATCATCCG 303
Db 1817 CACCAAACTTCTCTCTTTGATAAGGACATTGTGACAAATGTTTCCCCCAGAAATCATCCG 1876
QY 304 GGGAAACCACTCTGGCCCCCATGTATGGCCCTGGACAAAGCTCTCTTCTGAATATTGAGCT 363
Db 1877 GGGAAACCACTCTGGCCCCCATGTATGGCCCTGGACAAAGCTCTCTTCTGAATATTGAGCT 1936
QY 364 CATCAGTGAGAAACGGCTGCATATTGTGTCAAAAGTGTCACTGAATTAAGGCTGACTT 423
Db 1937 CATCAGTGAGAAACGGCTGCATATTGTGTCAAAAGTGTCACTGAATTAAGGCTGACTT 1996
QY 424 CCCAGACAACGT 435
Db 1997 TCCAGACAACAT 2008

RESULT 7

US-10-240-965-235
; Sequence 235, Application US/10240965
; Publication No. US20030165924A1
; GENERAL INFORMATION:
; APPLICANT: INCYTE GENOMICS, INC.
; APPLICANT: SHIFFMAN, Dov
; APPLICANT: SOMOGVI, Roland
; APPLICANT: LAWN, Richard M.
; APPLICANT: SEILHAWER, Jeffrey J.
; APPLICANT: PORTER, Gordon J.
; APPLICANT: MIKITA, Thomas
; APPLICANT: TAI, Julie
; TITLE OF INVENTION: GENES EXPRESSED IN FOAM CELL DIFFERENTIATION
; FILE REFERENCE: PA-0025 PCT
; CURRENT APPLICATION NUMBER: US/10/240,965
; CURRENT FILING DATE: 2002-10-04
; PRIOR APPLICATION NUMBER: 60/195,106
; PRIOR FILING DATE: 2000-04-05
; NUMBER OF SEQ ID NOS: 276
; SOFTWARE: PERL Program
; SEQ ID NO 235
; LENGTH: 4409
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030165924A1 331022.33
US-10-240-965-235

Query Match 19.7%; Score 169.6; DB 14; Length 4409;
Best Local Similarity 92.7%; Pred. No. 2.8e-28;
Matches 178; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

QY 244 CTCGATATCTTACTCTTTCATGAGGACATGTGACAAATGTTTCCCCCATATATCATCCG 303
DB 1817 CACCAAACTTCTCTTGTATAGGACATGTGACAAATGTTTCCCCGAGATCATCCG 1876

QY 304 GGGAAACCACTCTGCCCCCATGTATGCCCCGACAAAGCTCCCTTCTGATATTTGAGCT 363
DB 1877 GGGAAACCACTCTGCCCCCATGTATGCCCCGACAAAGCTCCCTTCTGATATTTGAGCT 1936

QY 364 CATGAGTGAAGAAACGGCTGCATATGCTGTCRAAGTGTCACTGAACCTAAAGGCTGACTT 423
DB 1937 CATGAGTGAAGAAACGGCTGCATATGCTGTCRAAGTGTCACTGAACCTAAAGGCTGACTT 1996

QY 424 CCCGACCAACGT 435
DB 1997 TCCGACCAACAT 2008

RESULT 8
US-09-960-352-9491
; Sequence 9491, Application US/09960352
; Patent No. US20020137139A1
; GENERAL INFORMATION:
; APPLICANT: Warren, Wesley C.
; APPLICANT: Tao, Nengboing
; APPLICANT: Byatt, John C.
; APPLICANT: Mathialagan, Nagappan
; TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
; FILE REFERENCE: 16511.006/37-21(10298)C
; CURRENT APPLICATION NUMBER: US/09/960,352
; CURRENT FILING DATE: 2001-09-24
; NUMBER OF SEQ ID NOS: 15112
; SEQ ID NO 9491
; TYPE: DNA
; ORGANISM: Bos taurus
; OTHER INFORMATION: Clone ID: 41-LIB2809-013-Q1-E1-C10
US-09-960-352-9491

Query Match 17.8%; Score 153.4; DB 9; Length 418;
Best Local Similarity 88.8%; Pred. No. 4.7e-25;
Matches 166; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

QY 246 CAATATCTTACTCTTTCATGAGGACATGTGACAAATGTTTCCCCCATATATCATCCGG 305
DB 210 CCAAACTTCTCTTGTATAGGATATAGTACAAATGTTTCCCCGAGATCATCCGG 269

QY 306 GAACCACTCTGCCCCCATGTATGCCCCGACAAAGCTCCCTTCTGATATTTGAGCTCA 365
DB 270 GGACCACTCTGCCCCCATGTATGCCCCGACAAAGCTCCCTTCTGATATTTGAGCTCA 329

QY 366 TCAGTGAGAAACGGCTGCATATGCTGTCRAAGTGTCACTGAACCTAAAGGCTGACTTCC 425
DB 330 TCAGTGAGAAACGGCTGCATATGCTGTCRAAGTGTCACTGAACCTAAAGGCTGACTTCC 389

QY 426 CAGACAA 432
DB 390 CAGACAA 396

RESULT 9
US-09-917-800A-1343
; Sequence 1343, Application US/09917800A
; Patent No. US20020119462A1
; GENERAL INFORMATION:
; APPLICANT: Mendrick, Donna
; APPLICANT: Porter, Mark
; APPLICANT: Johnson, Kory
; APPLICANT: Castle, Arthur

APPLICANT: Elashoff, Michael
APPLICANT: Gene Logic, Inc.
TITLE OF INVENTION: Molecular Toxicology Modeling
FILE REFERENCE: 44921-5038-US
CURRENT APPLICATION NUMBER: US/09/917,800A
CURRENT FILING DATE: 2001-07-31
PRIOR APPLICATION NUMBER: US 60/222,040
PRIOR FILING DATE: 2000-07-31
PRIOR APPLICATION NUMBER: US 60/222,880
PRIOR FILING DATE: 2000-11-02
PRIOR APPLICATION NUMBER: US 60/290,029
PRIOR FILING DATE: 2001-05-11
PRIOR APPLICATION NUMBER: US 60/290,645
PRIOR FILING DATE: 2001-05-15
PRIOR APPLICATION NUMBER: US 60/292,336
PRIOR FILING DATE: 2001-05-22
PRIOR APPLICATION NUMBER: US 60/295,798
PRIOR FILING DATE: 2001-06-06
PRIOR APPLICATION NUMBER: US 60/297,457
PRIOR FILING DATE: 2001-06-13
PRIOR APPLICATION NUMBER: US 60/298,884
PRIOR FILING DATE: 2001-06-19
PRIOR APPLICATION NUMBER: US 60/303,459
PRIOR FILING DATE: 2001-07-09
NUMBER OF SEQ ID NOS: 1740
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 1343
LENGTH: 4358
TYPE: DNA
ORGANISM: Rattus norvegicus
FEATURE:
OTHER INFORMATION: Genbank Accession No. US20020119462A1 DB5035
US-09-917-800A-1343

Query Match 16.9%; Score 145.2; DB 9; Length 4358;
Best Local Similarity 85.3%; Pred. No. 1e-22;
Matches 162; Conservative 0; Mismatches 28; Indels 0; Gaps 0;

QY 246 CAATATCTTACTCTTTCATGAGGACATGTGACAAATGTTTCCCCCATATATCATCCGG 305
DB 1776 CCAAACTTCTCTTGTATAGGACATGTGACAAATGTTTCCCTCAACATTGAGCTCA 1835

QY 306 GAACCACTCTGCCCCCATGTATGCCCCGACAAAGCTCCCTTCTGATATTTGAGCTCA 365
DB 1836 GGACCACTCTGCCCCCATGTATGCCCCGACAAAGCTCCCTTCAACATTGAGCTCA 1895

QY 366 TCAGTGAGAAACGGCTGCATATGCTGTCRAAGTGTCACTGAACCTAAAGGCTGACTTCC 425
DB 1896 TCAGTGAGAAACGGCTGCATATGCTGTCRAAGTGTCACTGAACCTAAAGGCTGACTTCC 1955

QY 426 CAGACAACT 435
DB 1956 CGACCAACAT 1965

RESULT 10
US-09-783-590-9055
; Sequence 9055, Application US/09783590
; Patent No. US20020110850A1
; GENERAL INFORMATION:
; APPLICANT: Dillon, Patrick J.
; APPLICANT: Haseltine, William A.
; APPLICANT: Li, Haidong
; APPLICANT: Rosen, Craig A.
; APPLICANT: Ruben, Steven M.
; TITLE OF INVENTION: Human Genes, Sequences, and Expression Products 16.2
; FILE REFERENCE: PO-16,2C1
; CURRENT APPLICATION NUMBER: US/09/783,590
; CURRENT FILING DATE: 2000-02-15
; PRIOR APPLICATION NUMBER: 08/420,856
; PRIOR FILING DATE: 1995-04-12
; PRIOR APPLICATION NUMBER: 08/346,731
; PRIOR FILING DATE: 1994-11-21

NUMBER OF SEQ ID NOS: 12485
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 9055
LENGTH: 512
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (10)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
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NAME/KEY: misc feature
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NAME/KEY: misc feature
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OTHER INFORMATION: n equals a,t,g, or c
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NAME/KEY: misc feature
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NAME/KEY: misc feature
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NAME/KEY: misc feature
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NAME/KEY: misc feature
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LOCATION: (485)
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NAME/KEY: misc feature
LOCATION: (487)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature

LOCATION: (488)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (491)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (503)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (512)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-783-590-9055

Query Match 14.4%; Score 123.6; DB 9; Length 512;
Best Local Similarity 95.5%; Pred. No. 3.1e-18;
Matches 148; Conservative 0; Mismatches 5; Indels 2; Gaps 2;

Qy 281 AATGTTTCCCAATATCATCCGGGAACCACTCTGGCCCATGATGGCCCTGGA-CA 339
Db |||||
16 AATGTTTCCCAATATCATCCGGGAACCACTCTGGCCCATATATGGCCCTGGANCA 75
Qy 340 AAGTCTCTTCTGAATATTGAGTCATCAGTGAGAAAACGGCTGCATATTGGTGTCMAAG 399
Db |||||
76 AAGTCTCTTCTGAATATTGAGTCATCAGTGAGAAAACGGCTGCATATTGGTGTCMAAG 135
Qy 400 TGTCACGTG-ACTAAAGCTGACTTCCAGACAAC 433
Db |||||
136 TGTCACGTGAACTAAAGCTGACTTCCAGACAAC 170

RESULT 11

US-10-312-841-1
; Sequence 1, Application US/10312841
; Publication No. US20030186277A1
; GENERAL INFORMATION:

; APPLICANT: Epigenomics AG
; TITLE OF INVENTION: Diagnose von bedeutenden genetischen Parametern innerhalb des MHC
; FILE REFERENCE: E01/1208/WO
; CURRENT APPLICATION NUMBER: US/10/312,841
; CURRENT FILING DATE: 2002-12-30
; NUMBER OF SEQ ID NOS: 2
; SEQ ID NO 1
; LENGTH: 3673778
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
; NAME/KEY: unsure
; LOCATION: (3294164)
US-10-312-841-1

Query Match 6.0%; Score 52; DB 14; Length 3673778;
Best Local Similarity 52.7%; Pred. No. 3.4;
Matches 135; Conservative 0; Mismatches 120; Indels 1; Gaps 1;

Qy 12 ATAAATATTTTGGTTTTCGCTGTTCTAAACCTAGGTTACAGAAATATTTATCTGG 71
Db 2644548 ATAAATATTAATTTTAAATTTGGTATTATTTTGTATTAATAATAAAATTCATATGTC 2644607
Qy 72 AGCTACAAATACCTTTATTTTACCTTTTATTTGCAAGTAGTTTATGTTCAATTCATAT 131
Db 2644608 GTATAGATCATATATAATTTTTCGTTGGATCGGAAGT-TTAAATTTTTCGTTGATT 2644666
Qy 132 TAATGTATATTAATAATTCCTCTGCAATATGTGAGGAGGACCTCATAAATATTGTCA 191
Db 2644667 TAATTTTTCGTTATTAATTTTAAAGTTTGGAGGAGGATTTTATAATATTTTATAA 2644726
Qy 192 TATGGAATAGCAGAGATAATAAGATTATAGCTTTTCTTTGTCAAAAGGAGACTCAATAT 251
Db 2644727 GATTTTATAGATTATATTTATGATAGATTATTTTATTTTATGTTGTTGTTT 2644786
Qy 252 CTTTACTCTTTCATGA 267

Db 2644787 TTTTATTTTAA 2644802

RESULT 12

US-10-311-455-52
; Sequence 52, Application US/10311455
; Publication No. US20030143606A1
; GENERAL INFORMATION:

; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determination of Cytosine Methylation
; FILE REFERENCE: 5013.1014
; CURRENT APPLICATION NUMBER: US/10/311,455
; CURRENT FILING DATE: 2002-12-16
; PRIOR APPLICATION NUMBER: PCT/EP01/07537
; PRIOR FILING DATE: 2001-07-02
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 2424
; SEQ ID NO 52
; LENGTH: 8011
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-311-455-52

Query Match 5.8%; Score 49.6; DB 14; Length 8011;
Best Local Similarity 50.4%; Pred. No. 0.73;
Matches 121; Conservative 0; Mismatches 119; Indels 0; Gaps 0;

Qy 12 ATAAATATTTTGGTTTTCGCTGTTCTAAACCTAGGTTACAGAAATATTTATCTGG 71
Db 5616 ATAAATAGTATATTGTTTAAATTTTATATAAGAAAGATTAAGAAATTTTAA 5675
Qy 72 AGCTACAAATACCTTTATTTTACCTTTTATTTGCAAGTAGTTTATGTTCAATTCATAT 131
Db 5676 AGATAAATATTAATTTGATTATGATTATAGATATATACGTAGTTATTTAAAAAGTTTAA 5735
Qy 132 TAATGTATATTAATAATTCCTCTGCAATATGTGAGGAGGACCTCATAAATATTGTCA 191
Db 5736 GAATATTTTGGGAAATTTTATTTTAAATTTTATAAATTTAATAAATTAAGAGGATTTG 5795
Qy 192 TATGGAATAGCAGAGATAATAAGATTATAGCTTTTCTTTGTCAAAAGGAGACTCAATAT 251
Db 5796 AGTTATATGTAGAAATTCGAATTCGATTTTATTTATATTTATATAAGAAATTAATTT 5855

RESULT 13

US-09-938-842A-4135/c
; Sequence 4135, Application US/09938842A
; Patent No. US20020160378A1
; GENERAL INFORMATION:

; APPLICANT: Harper, Jeff
; APPLICANT: Krepes, Joel
; APPLICANT: Zhu, Tong
; APPLICANT: Wang, Xun
; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING
; FILE REFERENCE: SCRIPI300-3
; CURRENT APPLICATION NUMBER: US/09/938,842A
; CURRENT FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: US 60/227,866
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: US 60/264,647
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/300,111
; PRIOR FILING DATE: 2001-06-22

; NUMBER OF SEQ ID NOS: 5379
; SEQ ID NO 4135
; LENGTH: 2000
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-938-842A-4135

Query Match
Sequence 4135, Application US/09938842A
Best Local Similarity 53.4%; Pred. No. 0.59;
Matches 126; Conservative 0; Mismatches 107; Indels 3; Gaps 1;

86 TTATTTTACCTTTTATTTGCAAGTAGTTTATGTTCAATCTTAATTAATGATATATAA 145
1205 TTATTTTATGATTTCTTTTCAAAATTTATCATATTGTTATTTCTTAACCTTAACA 1146

146 AATTCCTCTGCAAAATATGTGAGGAGGACCTCATATAATATGTCATATGGAATGAGCA 205
1145 ATTAAACCTAAATATGTGAATCAAGTCGATTAATCTATGTAATTTTCACATTGAGA 1086

206 GATAATAAGATATAGCTTTTCTTTCATCAAGAGAGACTCAATATCTTTTACTCTTTTCA 265
1085 GAATATAATAATTTCTTTTGG---AAAGACAGTTTCACTTTTATAATTTGACAA 1029

266 GAGGACATGTGACAAATGTTTCCCTCCATATATCATCCGGGAACCACTCTGGCCC 321
1028 AAGGAGATGCGAGAGGATTTAGTCTCCCCCTTGGGGCAATACCAACAGCAC 973

RESULT 14
US-09-938-842A-4135/c
; Sequence 4135, Application US/09938842A
; Publication No. US20040009476A9
; GENERAL INFORMATION:
; APPLICANT: Harper, Jeff
; APPLICANT: Kreps, Joel
; APPLICANT: Wang, Xun
; APPLICANT: Zhu, Tong
; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING
; FILE OF INVENTION: SAME AND METHODS OF USE
; FILE REFERENCE: SCRIPL300.3
; CURRENT APPLICATION NUMBER: US/09/938,842A
; CURRENT FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: US 60/227,866
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: US 60/264,647
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/300,111
; PRIOR FILING DATE: 2001-06-22
; NUMBER OF SEQ ID NOS: 5379
; SEQ ID NO 4135
; LENGTH: 2000
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-938-842A-4135

Query Match
Best Local Similarity 53.4%; Pred. No. 0.59;
Matches 126; Conservative 0; Mismatches 107; Indels 3; Gaps 1;

86 TTATTTTACCTTTTATTTGCAAGTAGTTTATGTTCAATCTTAATTAATGATATATAA 145
1205 TTATTTTATGATTTCTTTTCAAAATTTATCATATTGTTATTTCTTAACCTTAACA 1146

146 AATTCCTCTGCAAAATATGTGAGGAGGACCTCATATAATATGTCATATGGAATGAGCA 205
1145 ATTAAACCTAAATATGTGAATCAAGTCGATTAATCTATGTAATTTTCACATTGAGA 1086

206 GATAATAAGATATAGCTTTTCTTTCATCAAGAGAGACTCAATATCTTTTACTCTTTTCA 265
1085 GAATATAATAATTTCTTTTGG---AAAGACAGTTTCACTTTTATAATTTGACAA 1029

266 GAGGACATGTGACAAATGTTTCCCTCCATATATCATCCGGGAACCACTCTGGCCC 321

Db 1028 AAGGAGATGCGAGAGGATTTAGTCTCCCCCTTGGGGCAATACCAACAGCAC 973

RESULT 15
US-10-172-086-60
; Sequence 60, Application US/10172086
; Publication No. US20030113750A1
; GENERAL INFORMATION:
; APPLICANT: Epigenomics AG
; TITLE OF INVENTION: Method and nucleic acids for the differentiation
; TITLE OF INVENTION: Method and nucleic acids for the differentiation
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/172,086
; CURRENT FILING DATE: 2002-06-13
; NUMBER OF SEQ ID NOS: 116
; SEQ ID NO 60
; LENGTH: 7001
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-172-086-60

Query Match
Best Local Similarity 48.1%; Pred. No. 1.4;
Matches 137; Conservative 0; Mismatches 148; Indels 0; Gaps 0;

Qy 1 TGTTAATGAAGATAAATAATTTTGTGTTTTCGCTGTTCTAAACCTAGGCTTACAGAGT 60
Db 2092 TGGAAATGTAATA 2151

Qy 61 AATTTATCTGGAGCTAACAAATACTTTTATTTTACCTTTTATTTGCAAGTAGTTTATGTT 120
Db 2152 TATATATAGATATATATATATTTTAGATATAAATGTTTATTTTATATATATATATA 2211

Qy 121 CAATTCATATTAATGATATATTAATAAATTCCTCTGCAAAATATGTCAGGAGGACCTCATA 180
Db 2212 AGATAATAAATAATGATATATTTTAAATTAATAAATAAATGATTTTGAATGAAAT 2271

Qy 181 AAATATTTGTCATATGGAATGAGCAGATAATAAAGATTATAGCTTTTCTTTGTCAAAAGG 240
Db 2272 AATTAATTTTAAATAAATAATTTTGTGTTATATATATATATATATATATATATAT 2331

Qy 241 AGACTCAATATCTTTTACTCTTTTCATGAGGACATTTGACAAATGT 285
Db 2332 AAAATGTAATGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTT 2376

Search completed: March 22, 2004, 07:36:55
Job time : 421.997 secs

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OM nucleic - nucleic search, using sw model

Run on: March 22, 2004, 04:12:41 ; Search time 116.069 Seconds
(without alignments)
4116.644 Million cell updates/sec

Title: US-09-308-080-1
Perfect score: 861
Sequence: 1 TGTAAATGAGATAAATATT.....AGTGGGAATAATTATTAA 861

Scoring table: IDENTITY NUC
Gapop 10_0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents,NA:*
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2: /cgn2_6/prodata/2/ina/5B_COMB.seq:*
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5: /cgn2_6/prodata/2/ina/6C_COMB.seq:*
6: /cgn2_6/prodata/2/ina/backfiles1.seq:*

pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	171.2	19.9	3951	US-09-138-103-1	Sequence 1, Appli
2	171.2	19.9	3951	US-09-362-665-3	Sequence 3, Appli
3	171.2	19.9	3951	US-09-963-333-3	Sequence 3, Appli
4	171.2	19.9	3957	US-08-304-309-1	Sequence 1, Appli
5	171.2	19.9	3957	US-08-991-942-1	Sequence 1, Appli
6	169.6	19.7	4368	PCT-US95-04567-3	Sequence 3, Appli
7	153.4	17.8	4414	PCT-US95-04567-1	Sequence 1, Appli
8	150.2	17.4	4447	US-08-304-309-3	Sequence 3, Appli
9	150.2	17.4	4447	US-08-991-942-3	Sequence 3, Appli
10	47	5.5	7218	US-08-232-463-14	Sequence 14, Appli
11	46.6	5.4	5852	US-07-867-106-2	Sequence 2, Appli
12	42.8	5.0	1781	US-09-499-302A-1	Sequence 1, Appli
13	42.4	4.9	13737	US-09-538-414-10	Sequence 10, Appli
14	42.4	4.9	13737	US-10-074-279-10	Sequence 10, Appli
15	41.6	4.8	1664976	US-08-916-421B-1	Sequence 1, Appli
16	41	4.8	3947	US-08-975-762-47	Sequence 47, Appli
17	41	4.8	3947	US-09-295-028-47	Sequence 47, Appli
18	41	4.8	3947	US-09-106-582-47	Sequence 47, Appli
19	41	4.8	3947	US-09-159-469-47	Sequence 47, Appli
20	41	4.8	3947	US-09-693-542-47	Sequence 47, Appli
21	40.2	4.7	832	US-09-621-976-2813	Sequence 2813, Ap
22	39.4	4.6	640681	US-08-790-988-1	Sequence 1, Appli
23	39.2	4.6	116592	US-09-818-512-3	Sequence 3, Appli
24	39	4.5	546	US-09-621-976-10684	Sequence 10684, A
25	39	4.5	11049	US-10-204-708-22	Sequence 22, Appli
26	38.8	4.5	915	US-09-134-000C-2588	Sequence 2588, Ap
27	38.8	4.5	640681	US-09-790-988-1	Sequence 1, Appli

28	38.6	4.5	1400	3	US-09-018-584A-35	Sequence 35, Appli
29	38.6	4.5	1591	4	US-09-356-806-44	Sequence 44, Appli
30	38.4	4.5	1776	3	US-08-655-352-10	Sequence 10, Appli
31	38.4	4.5	1776	4	US-09-258-016-10	Sequence 10, Appli
32	38.4	4.5	1776	4	US-09-257-828B-10	Sequence 10, Appli
33	38.2	4.4	5526	3	US-08-751-359-21	Sequence 21, Appli
34	38.2	4.4	5526	4	US-08-907-146-21	Sequence 21, Appli
35	38.2	4.4	6656	4	US-10-204-708-75	Sequence 75, Appli
36	38	4.4	1664976	4	US-08-916-421B-1	Sequence 1, Appli
37	37.8	4.4	277	1	US-08-244-113-18	Sequence 18, Appli
38	37.8	4.4	480	4	US-09-328-352-1587	Sequence 1587, Ap
39	37.8	4.4	639	4	US-09-482-273-49	Sequence 49, Appli
40	37.6	4.4	590073	4	US-08-545-528D-1	Sequence 1, Appli
41	37.4	4.3	2435	3	US-09-306-593-1	Sequence 1, Appli
42	37.4	4.3	4140	3	US-08-894-731-2	Sequence 2, Appli
43	37.2	4.3	63588	4	US-09-873-404-3	Sequence 3, Appli
44	37	4.3	832	4	US-09-621-976-2813	Sequence 2813, Ap
45	37	4.3	1405	4	US-09-568-097A-15	Sequence 15, Appli

ALIGNMENTS

RESULT 1
US-09-138-103-1
; Sequence 1, Application US/09138103A
; Patent No. 6232448
; GENERAL INFORMATION:
; APPLICANT: Yoshikubo, Takashi
; APPLICANT: Hasegawa, Masami
; TITLE OF INVENTION: Immunological Materials and Methods for Detecting
; TITLE OF INVENTION: Dihydropyrimidine Dehydrogenase
; FILE REFERENCE: 09/138,103 Yoshikubo, et al.
; CURRENT APPLICATION NUMBER: US/09/138,103A
; CURRENT FILING DATE: 1998-08-21
; EARLIER APPLICATION NUMBER: 97114630.3
; EARLIER FILING DATE: 1997-08-22
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; TYPE: DNA
; LENGTH: 3951
; ORGANISM: Homo sapiens
US-09-138-103-1

Query Match	19.9%	Score	171.2;	DB 3;	Length	3951;			
Best Local Similarity	93.2%	Pred. No.	5.6e-32;						
Matches	179;	Conservative	0;	Mismatches	13;	Indels	0;	Gaps	0;
Qy	244	CTCAATATCTTTACTCTTTTCATGAGGACATTGTGACAAATGTTTCCCCCAATCATCCG	303						
Db	1797	CACCAAACTTTCTCTTGTATAGGACATTGTGACAAATGTTTCCCCCAATCATCCG	1856						
Qy	304	GGGAACCACTCTGGCCCCATGTATGCCCTGGACAAAGCTCCTTTCTGAATATTGAGCT	363						
Db	1857	GGGAACCACTCTGGCCCCATGTATGCCCTGGACAAAGCTCCTTTCTGAATATTGAGCT	1916						
Qy	364	CATCAGTGAGAAAACGGCTGCATATTGGTGTCAAAGTGTCACTGAATAAAGGCTGACTT	423						
Db	1917	CATCAGTGAGAAAACGGCTGCATATTGGTGTCAAAGTGTCACTGAATAAAGGCTGACTT	1976						

RESULT 2
US-09-962-665-3
; Sequence 3, Application US/09962665
; Patent No. 6537759
; GENERAL INFORMATION:
; APPLICANT: Stanton, Jr., Vincent P.
; TITLE OF INVENTION: POLYGLUTAMATE SYNTHETASE GENE SEQUENCE

; TITLE OF INVENTION: VARIANCES HAVING UTILITY IN DETERMINING THE
; FILE REFERENCE: 11926-015004
; CURRENT FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: US/09/962,665
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: 09/596,659
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 09/357,743
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: 09/357,024
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: 60/093,484
; PRIOR FILING DATE: 1998-07-20
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 3951
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 166, 3432, 3682, 3937
; OTHER INFORMATION: n = t or c
; NAME/KEY: misc_feature
; LOCATION: 577, 638, 1708, 3730, 3925
; OTHER INFORMATION: n = a or g
US-09-963-333-3

Query Match 19.9%; Score 171.2; DB 4; Length 3951;
Best Local Similarity 93.2%; Pred. No. 5.6e-32;
Matches 179; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 244 CTCATATCTTTTACCTTTTCATGAGACATTTGTGACAAATGTTTCCCCCAATATCATCCG 303
Db 1797 CACCAAAACCTTCTCTCTGTGATAAGACATTTGTGACAAATGTTTCCCCCAATATCATCCG 1856

QY 304 GGAACACCTCTGGCCCATCTATGGCCCTGGACAAAGCTCCTTTCTGAAATATTGAGCT 363
Db 1857 GGAACACCTCTGGCCCATCTATGGCCCTGGACAAAGCTCCTTTCTGAAATATTGAGCT 1916

QY 364 CATCAGTGAGAAAGCGGTGCATATTGGTGTCAAAGTGTCACTGAACTAAAGGCTGACTT 423
Db 1917 CATCAGTGAGAAAGCGGTGCATATTGGTGTCAAAGTGTCACTGAACTAAAGGCTGACTT 1976

QY 424 CCAGACACGCT 435
Db 1977 CCAGACACAT 1988

RESULT 3
US-09-963-333-3
; Sequence 3, Application US/09963333
; Patent No. 6664062
; GENERAL INFORMATION:
; APPLICANT: Stanton, Jr., Vincent P.
; TITLE OF INVENTION: THYMIDINE SYNTHASE GENE SEQUENCE VARIANCES
; TITLE OF INVENTION: HAVING UTILITY IN DETERMINING THE TREATMENT
; FILE REFERENCE: 11926-015002
; CURRENT FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: US/09/963,333
; CURRENT FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: 09/596,659
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: 09/596,033
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 09/357,743
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: 09/357,024
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: 60/093,484
; PRIOR FILING DATE: 1998-07-20

; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 3951
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 166, 3432, 3682, 3937
; OTHER INFORMATION: n = t or c
; NAME/KEY: misc_feature
; LOCATION: 577, 638, 1708, 3730, 3925
; OTHER INFORMATION: n = a or g
US-09-963-333-3

Query Match 19.9%; Score 171.2; DB 4; Length 3951;
Best Local Similarity 93.2%; Pred. No. 5.6e-32;
Matches 179; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 244 CTCATATCTTTTACCTTTTCATGAGACATTTGTGACAAATGTTTCCCCCAATATCATCCG 303
Db 1797 CACCAAAACCTTCTCTCTGTGATAAGACATTTGTGACAAATGTTTCCCCCAATATCATCCG 1856

QY 304 GGAACACCTCTGGCCCATCTATGGCCCTGGACAAAGCTCCTTTCTGAAATATTGAGCT 363
Db 1857 GGAACACCTCTGGCCCATCTATGGCCCTGGACAAAGCTCCTTTCTGAAATATTGAGCT 1916

QY 364 CATCAGTGAGAAAGCGGTGCATATTGGTGTCAAAGTGTCACTGAACTAAAGGCTGACTT 423
Db 1917 CATCAGTGAGAAAGCGGTGCATATTGGTGTCAAAGTGTCACTGAACTAAAGGCTGACTT 1976

QY 424 CCAGACACGCT 435
Db 1977 CCAGACACAT 1988

RESULT 4
US-08-304-309-1
; Sequence 1, Application US/08304309
; Patent No. 5856454
; GENERAL INFORMATION:
; APPLICANT: GONZALEZ, Frank J.
; APPLICANT: FERNANDEZ-SALGUEIRO, Pedro
; TITLE OF INVENTION: CLONING AND EXPRESSION OF CDNA FOR HUMAN
; TITLE OF INVENTION: DIHYDROPYRIMIDINE DEHYDROGENASE
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend Kourie and Crew
; STREET: Stewart Street Tower, One Market Plaza
; CITY: San Francisco
; STATE: California
; COUNTRY: US
; ZIP: 94105-1493
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/304,309
; FILING DATE: 09-SEP-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, Timothy L.
; REGISTRATION NUMBER: 35,367
; REFERENCE/DOCKET NUMBER: 15280-210
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 543-9600
; TELEFAX: (415) 543-5043
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3957 base pairs
; TYPE: nucleic acid

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; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 88..3162
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1..3957
; OTHER INFORMATION: /product= "Human DPD"
;
US-08-304-309-1

Query Match      19.9%; Score 171.2; DB 2; Length 3957;
Best Local Similarity 93.2%; Pred. No. 5.6e-32;
Matches 179; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 244 CTCATATCTTTTACTCTTTCATGAGGACATTTGTGACAAATGTTCCCCCAATATCATCCG 303
DB 1803 CACCAAACTTTCTCTCTTGTAAAGACATTTGTGACAAATGTTCCCCCAATATCATCCG 1862

QY 304 GGGAAACCACTCTGGCCCCCATGTATGGCCCTGGACAAAGCTCTTTTCTGAATATTGAGCT 363
DB 1863 GGGAAACCACTCTGGCCCCCATGTATGGCCCTGGACAAAGCTCTTTTCTGAATATTGAGCT 1922

QY 364 CATCAGTGAGAAAACGGCTGCATATTGGTGTCAAAGTGTCACTGAACCTAAAGGCTGACTT 423
DB 1923 CATCAGTGAGAAAACGGCTGCATATTGGTGTCAAAGTGTCACTGAACCTAAAGGCTGACTT 1982

QY 424 CCCAGACAAACGT 435
DB 1983 CCCAGACAAACAT 1994
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RESULT 5

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US-08-991-942-1
PCT-US95-04567-3
Sequence 1, Application US/08991942
Patent No. 6015673
GENERAL INFORMATION:
APPLICANT: GONZALEZ, Frank J.
TITLE OF INVENTION: FERNANDEZ-SALGUERO, Pedro
TITLE OF INVENTION: CLONING AND EXPRESSION OF cDNA FOR HUMAN
TITLE OF INVENTION: DIHYDROPYRIMIDINE DEHYDROGENASE
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend Kourlie and Crew
STREET: Stewart Street Tower, One Market Plaza
CITY: San Francisco
STATE: California
COUNTRY: US
ZIP: 94105-1493
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/991,942
FILING DATE:
CLASSIFICATION:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US/08/304,309
FILING DATE: 09-SEP-1994
ATTORNEY/AGENT INFORMATION:
NAME: Smith, Timothy L.
REGISTRATION NUMBER: 35,367
REFERENCE/DOCKET NUMBER: 15280-210
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 543-9600
TELEFAX: (415) 543-5043
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 3957 base pairs
TYPE: nucleic acid
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; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 88..3162
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1..3957
; OTHER INFORMATION: /product= "Human DPD"
;
US-08-991-942-1

Query Match      19.9%; Score 171.2; DB 3; Length 3957;
Best Local Similarity 93.2%; Pred. No. 5.6e-32;
Matches 179; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 244 CTCATATCTTTTACTCTTTCATGAGGACATTTGTGACAAATGTTCCCCCAATATCATCCG 303
DB 1803 CACCAAACTTTCTCTCTTGTAAAGACATTTGTGACAAATGTTCCCCCAATATCATCCG 1862

QY 304 GGGAAACCACTCTGGCCCCCATGTATGGCCCTGGACAAAGCTCTTTTCTGAATATTGAGCT 363
DB 1863 GGGAAACCACTCTGGCCCCCATGTATGGCCCTGGACAAAGCTCTTTTCTGAATATTGAGCT 1922

QY 364 CATCAGTGAGAAAACGGCTGCATATTGGTGTCAAAGTGTCACTGAACCTAAAGGCTGACTT 423
DB 1923 CATCAGTGAGAAAACGGCTGCATATTGGTGTCAAAGTGTCACTGAACCTAAAGGCTGACTT 1982

QY 424 CCCAGACAAACGT 435
DB 1983 CCCAGACAAACAT 1994
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RESULT 6

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PCT-US95-04567-3
Sequence 3, Application PC/TUS9504567
GENERAL INFORMATION:
APPLICANT:
TITLE OF INVENTION: DIHYDROPYRIMIDINE DEHYDROGENASE
TITLE OF INVENTION: COMPOSITIONS AND METHODS OF USE
NUMBER OF SEQUENCES: 28
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, White & Durkee
STREET: P.O. Box 4433
CITY: Houston
STATE: Texas
COUNTRY: United States of America
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS/ASCII
SOFTWARE: Patent In Release #1.0, Version
SOFTWARE: #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/04567
FILING DATE: CONCURRENTLY HERewith
CLASSIFICATION:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/227,357
FILING DATE: 13-APR-1994
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Wilson, Mark B.
REGISTRATION NUMBER: 37,259
REFERENCE/DOCKET NUMBER: UOAB025P--
TELECOMMUNICATION INFORMATION:
TELEPHONE: (512) 418-3000
TELEFAX: (713) 789-2679
TELEX: 79-0924
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 4368 base pairs
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TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
FEATURE:
NAME/KEY: CDS
LOCATION: 49..3123
PCT-US95-04567-3

Query Match 19.7%; Score 169.6; DB 5; Length 4369;
Best Local Similarity 92.7%; Pred. No. 1.4e-31;
Matches 178; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

QY 244 CTCATATCTTACTCTTTCATGAGGACATTTGACAAATGTTTCCCCCATATATCATCG 303
DB 1764 CACCAAACTTCTCTCTTATAGGACATTTGACAAATGTTTCCCCCATATATCATCG 1823
QY 304 GGGAAACACCTCTGCCCCCATATGATGCGCCCTGGACAAAGCTCCTTCTGAATATTGAGCT 363
DB 1824 GGGAAACACCTCTGCCCCCATATGATGCGCCCTGGACAAAGCTCCTTCTGAATATTGAGCT 1883
QY 364 CATCAGTGAGAAACGGCTGCATATTTGGTGTCAAGTGTCACTGAACCTAAAGGCTGACTT 423
DB 1884 CATCAGTGAGAAACGGCTGCATATTTGGTGTCAAGTGTCACTGAACCTAAAGGCTGACTT 1943
QY 424 CCCAGACAACT 435
DB 1944 TCCAGACAACT 1955

RESULT 7
PCT-US95-04567-1
Sequence 1, Application PC/TUS9504567
GENERAL INFORMATION:
APPLICANT: GONZALEZ, Frank J.
TITLE OF INVENTION: DIHYDROPYRIMIDINE DEHYDROGENASE
TITLE OF INVENTION: COMPOSITIONS AND METHODS OF USE
NUMBER OF SEQUENCES: 28
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, White & Durkee
STREET: P.O. Box 4433
CITY: Houston
STATE: Texas
COUNTRY: United States of America
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS/ASCII
SOFTWARE: Patent In Release #1.0, Version
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/04567
FILING DATE: CONCURRENTLY HEREWITH
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/227,357
FILING DATE: 13-APR-1994
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Wilson, Mark B.
REGISTRATION NUMBER: 37,259
REFERENCE/DOCKET NUMBER: UCAB025P--
TELECOMMUNICATION INFORMATION:
TELEPHONE: (512) 418-3000
TELEFAX: (713) 789-2679
TELEX: 79-0924
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 4414 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: DNA
FEATURE:
NAME/KEY: CDS
LOCATION: 68..3142
PCT-US95-04567-1

Query Match 17.8%; Score 153.4; DB 5; Length 4414;
Best Local Similarity 88.8%; Pred. No. 1.1e-27;
Matches 166; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

QY 246 CAATATCTTACTCTTTCATGAGGACATTTGACAAATGTTTCCCCCATATATCATCGGG 305
DB 1785 CCAAACTTCTCTCTTATAGGATATAGTGACAAATGTTTCCCCCATATATCATCGGG 1844
QY 306 GACCACTCTTGGCCCCCATATGATGCGCCCTGGACAAAGCTCCTTCTGAATATTGAGCTCA 365
DB 1845 GGACCACTCTTGGCCCCCATATGATGCGCCCTGGACAAAGCTCCTTCTGAATATTGAGCTCA 1904
QY 366 TCAGTGAGAAACGGCTGCATATTTGGTGTCAAGTGTCACTGAACCTAAAGGCTGACTTCC 425
DB 1905 TCAGTGAGAAACGGCTGCATATTTGGTGTCAAGTGTCACTGAACCTAAAGGCTGACTTCC 1964
QY 426 CAGACAA 432
DB 1965 CAGACAA 1971

RESULT 8
US-08-304-309-3
Sequence 3, Application US/08304309
Patent No. 5856454
GENERAL INFORMATION:
APPLICANT: GONZALEZ, Frank J.
TITLE OF INVENTION: CLONING AND EXPRESSION OF CDNA FOR HUMAN
TITLE OF INVENTION: DIHYDROPYRIMIDINE DEHYDROGENASE
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend Kourie and Crew
STREET: Steuart Street Tower, One Market Plaza
CITY: San Francisco
STATE: California
COUNTRY: US
ZIP: 94105-1493
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/304,309
FILING DATE: 09-SEP-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Smith, Timothy L.
REGISTRATION NUMBER: 35,367
REFERENCE/DOCKET NUMBER: 15280-210
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 543-9600
TELEFAX: (415) 543-5043
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 4447 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cdna
FEATURE:
NAME/KEY: CDS
LOCATION: 88..3162
FEATURE:
NAME/KEY: misc feature
LOCATION: 1..4447

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; OTHER INFORMATION: /product= "Pig DPD"
US-08-304-309-3

Query Match      17.4%; Score 150.2; DB 2; Length 4447;
Best Local Similarity 87.7%; Pred. No. 6.1e-27;
Matches 164; Conservative 0; Mismatches 23; Indels 0; Gaps 0;

QY 246 CAATATCTTTACTCTTTCATGAGGACATTTGACAAAATGTTTCCCCCATATCATCCGGG 305
Db 1805 CCAAAACTTCTCTCTGTGATAAGGACATAGTACAAAATGTTCTACCCAGAAATCGTCCGGG 1864

QY 306 GAACCACTCTGCCCCCATGTATGGCCCTGGACAAAGCTCTCTTCTGATATTTGAGCTCA 365
Db 1865 GGNCTACCTCTGCCCCCATGTATGGCCCTGGACAAAGCTCTCTTCTGATATTTGAGCTCA 1924

QY 366 TCAGTGAGAAAACGGCTGCATATTTGTTGTCAAAAGTGTCACTGAACATAAGGCTGACTTCC 425
Db 1925 TCAGTGAGAAAACAGCTGCATATTTGTTGTCAAAAGTGTCACTGAACATAAGGCTGACTTTC 1984

QY 426 CAGACAA 432
Db 1985 CAGACAA 1991

RESULT 9
US-08-991-942-3
; Sequence 3, Application US/08991942
; Patent No. 6015673
; GENERAL INFORMATION:
; APPLICANT: GONZALEZ, Frank J.
; APPLICANT: FERNANDEZ-SALGUERO, Pedro
; TITLE OF INVENTION: CLONING AND EXPRESSION OF cDNA FOR HUMAN
; TITLE OF INVENTION: DIHYDROXYRIMIDINE DEHYDROGENASE
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend Kourie and Crew
; STREET: Steuart Street Tower, One Market Plaza
; CITY: San Francisco
; STATE: California
; COUNTRY: US
; ZIP: 94105-1493
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/991.942
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/304.309
; FILING DATE: 09-SEP-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, Timothy L.
; REGISTRATION NUMBER: 35,367
; REFERENCE/DOCKET NUMBER: 35280-210
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 543-9600
; TELEFAX: (415) 543-5043
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4447 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 88..3162
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1..4447

; OTHER INFORMATION: /product= "Pig DPD"
US-08-991-942-3

Query Match      17.4%; Score 150.2; DB 3; Length 4447;
Best Local Similarity 87.7%; Pred. No. 6.1e-27;
Matches 164; Conservative 0; Mismatches 23; Indels 0; Gaps 0;

QY 246 CAATATCTTTACTCTTTCATGAGGACATTTGACAAAATGTTTCCCCCATATCATCCGGG 305
Db 1805 CCAAAACTTCTCTCTGTGATAAGGACATAGTACAAAATGTTCTACCCAGAAATCGTCCGGG 1864

QY 306 GAACCACTCTGCCCCCATGTATGGCCCTGGACAAAGCTCTCTTCTGATATTTGAGCTCA 365
Db 1865 GGNCTACCTCTGCCCCCATGTATGGCCCTGGACAAAGCTCTCTTCTGATATTTGAGCTCA 1924

QY 366 TCAGTGAGAAAACGGCTGCATATTTGTTGTCAAAAGTGTCACTGAACATAAGGCTGACTTCC 425
Db 1925 TCAGTGAGAAAACAGCTGCATATTTGTTGTCAAAAGTGTCACTGAACATAAGGCTGACTTTC 1984

QY 426 CAGACAA 432
Db 1985 CAGACAA 1991

RESULT 10
US-08-232-463-14/c
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEIFLINGER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Feley & Lardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232.463
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/935.313
; FILING DATE:
; APPLICATION NUMBER: EP 91 114 300.6
; FILING DATE: 26-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 30472/114 IMMU
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)836-9300
; TELEFAX: (703)683-4109
; TELEX: 899149
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7218 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; CLONE: pTZ9pt-P1s
; US-08-232-463-14
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Query Match 5.5%; Score 47; DB 1; Length 7218;
Best Local Similarity 6.5%; Pred. No. 0.035;
Matches 26; Conservative 206; Mismatches 171; Indels 0; Gaps 0;

QY 294 TAAATCATCCGGGGAACACCTCTGGCCCATGTATGCGCTGGACAAAGCTCTTTCTGA 353
DB 1494 TAGCATCATCTGTAACTACCTATCTATGCAAGTAGTTAAAGAGATAGAGAATTGGTAC 1435

QY 354 ATATGTAGCTCATCAGTGAGAAAAGCGGTGCATATTTGGTCTCAAAGTGTCACTGAATAA 413
DB 1434 RRR 1375

QY 414 AGGCTGACTTCCAGACAACTGAAGTGTGATAAAATCTAAACAAGAGAATTGGCATAA 473
DB 1374 RRR 1315

QY 474 GTTGTGTAATTTTAAATCAATCAATTCATAGGCTTATAATATATATATGTTATATT 533
DB 1314 RRR 1255

QY 534 TTATCAACGAATCTGCCAGTTGCTTCTGCTGATGATAGAAAGATAAAAGAAAGAAAG 593
DB 1254 RRR 1195

QY 594 CTCAGAACTCATAAACCCACACAAATGTGAAGCTCTGTTATAAATGGGTGCCATGAA 653
DB 1194 RRR 1135

QY 654 GATGGAAGAAGTATCTACATAGCAGAGAGAGAGAAATGAAA 696
DB 1134 RRR 1092

RESULT 11

US-07-867-106-2/c
; Sequence 2, Application US/07867106
; Patent No. 5389526
; GENERAL INFORMATION:
; APPLICANT: Slade, Martin B
; APPLICANT: Chang, Andy C M
; APPLICANT: Williams, Keith L
; TITLE OF INVENTION: Improved Plasmid Vectors for Cellular
; TITLE OF INVENTION: Slime Moulds of the Genus Dictyostelium
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 5389526ris
; STREET: One Liberty Place 46th Floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/867,106
; FILING DATE: 19920625
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: AU PJ 7187
; APPLICATION NUMBER: PCT/AU90/00530
; FILING DATE: 02-NOV-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Feeney, Joanne Longo
; REGISTRATION NUMBER: 35,134
; REFERENCE/DOCKET NUMBER: RICE-0002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-568-3100
; TELEFAX: 215-568-3439
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5852 base pairs

TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ANTI-SENSE: NO
FEATURE:
NAME/KEY: CDS
LOCATION: 2378..5038
FEATURE:
NAME/KEY: CDS
LOCATION: 2378..5038
US-07-867-106-2

Query Match 5.4%; Score 46.6; DB 1; Length 5852;
Best Local Similarity 49.0%; Pred. No. 0.042;
Matches 124; Conservative 0; Mismatches 129; Indels 0; Gaps 0;

QY 17 TATTTTGTGTTTTTCGCTGTTCTTAAACCTAGGTTACAGAGTAATTTTATCTGGAGCTA 76
DB 2036 TTTTGTGTTTTTTTTTTTTTTTTTTTCAAGTAAAAAAGAAAAAAGAAAAAATA 1977

QY 77 ACAATATCTTTTATTTTACCTTTTATTTTCAAGTAGTTTATGTTCAATTTCTTAATTAATG 136
DB 1976 GAAAAAGTTGCTTAAACTACATTAGTTTATATAGTTTGTGCATATTTAAAAATAACTT 1917

QY 137 TATATTAAAAATTCCTCTGCAAAATATGTGAGAGGAGCTCATAAAAATTTGTCATATGG 196
DB 1916 TTAATTTTAAATGATTTTAAATTAAGATCTAATAAAAAAAGAAAAATTTTAAATTTA 1857

QY 197 AAATGAGCAGATAATAAGATTATAGCTTTCTTTGTCAAAAGGAGACTCAATATCTTTTA 256
DB 1856 AAAAAAAGAAAAAAGAAAAAAGAAAAAAGTAGAATTTTATTAATAATTAATTTCAATC 1797

QY 257 CTCCTTCATGAGG 269
DB 1796 TTAATAAAATTAAG 1784

RESULT 12

US-09-499-302A-1
; Sequence 1, Application US/09499302A
; Patent No. 6369212
; GENERAL INFORMATION:
; APPLICANT: BOUNG-JUN, OH
; APPLICANT: MOON, KYUNG KO
; APPLICANT: YOUNG, SOON KIM
; TITLE OF INVENTION: A CYTOCHROME P450 GENE HIGHLY EXPRESSED IN THE
; TITLE OF INVENTION: INCOMPATIBLE INTERACTION
; FILE REFERENCE: 10324/P6443USO
; CURRENT APPLICATION NUMBER: US/09/499,302A
; CURRENT FILING DATE: 2000-02-07
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 1
; LENGTH: 1781
; TYPE: DNA
; ORGANISM: Capsicum annuum
US-09-499-302A-1

Query Match 5.0%; Score 42.8; DB 4; Length 1781;
Best Local Similarity 51.6%; Pred. No. 0.26;
Matches 98; Conservative 0; Mismatches 92; Indels 0; Gaps 0;

QY 422 TTCCGAGACAACTGAAGTGTGATAAAAAATCTAAACAAGAGATTGGCATAAGTTGCTGA 481
DB 1586 TTGGAGAAATTTCAAACTTCATCAACGTAATATATATAGTGTGTGCTAGAGTTGGTTT 1645

QY 482 ATGTTTATTTAAACATCCATTCATAGGCTTATAAATATTAATGCTATATTTTATCAAC 541
DB 1646 ATTACCACTTCTATATCGTATTTGGTGTACTCAATAAATTTGTTGTTATATATTACA 1705

QY 542 GAATCTGCCAGTTGCTTTGCTGATGATAGAAAGATAAAAAAGAAAAAGAAAGCTCAAGAA 601


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Query Match 4.8%; Score 41.6; DB 4; Length 1664976;
 Best Local Similarity 51.0%; Pred. No. 2.4;

Wed Mar 24 10:57:36 2004

Matches	98;	Conservative	0;	Mismatches	94;	Indels	0;	Gaps	0;
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Db	1085407	THAGAAATCATACCTATCACCACAAAGTATTTGGTGGTTTATCTACATTTGGTATT	1085348						
QY	504	CATAGGCTTATAAATATTAAATGTGTATATTTTATCAACGAATCTGCCAGTTGCTTTGCTG	563						
Db	1085347	AAAAACATTTTAGCATTAATTTTAAATTTCTTTGAAAAATTATAATTATATATTATAGAT	1085288						
QY	564	ATGCTATAGAAAGATATAAAGAAAGAAAGCTCAAGAACTCATAAAAACCCACACAATGT	623						
Db	1085287	ATATAGATATAAATATAATAAATAATAAAGAAAAATAAATATTATTACAAATTACAATTT	1085228						
QY	624	GAAGCTCTGTTA	635						
Db	1085227	AAATATTACTTA	1085216						

Search completed: March 22, 2004, 05:37:10
 Job time : 130.069 secs